

# Natural Gas Monthly

## August 2003

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## Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
<b>Publications</b>		
<i>Weekly Natural Gas Storage Report</i>	HTML	Weekly natural gas stocks and implied net changes by three regions and U.S. total
<i>Natural Gas Weekly Update</i>	HTML	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 2000
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<b>Databases</b>		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
<b>Applications</b>		
EIA-176 Query System	EXE	Company filings of the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

# Preface

The *Natural Gas Monthly* (*NGM*) is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Roy Kass (202) 586-4790. Specific technical questions may be referred to the appropriate persons listed in Appendix D.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

# Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	Mcf	Thousand cubic feet
Bcf	Billion cubic feet	MMBtu	Million British thermal units
Btu	British thermal unit	MMcf	Million cubic feet
DOE	U.S. Department of Energy	MMS	Minerals Management Service, U.S. Department of the Interior
EIA	Energy Information Administration, U.S. Department of Energy	OCS	Outer Continental Shelf
FERC	Federal Energy Regulatory Commission	STIFS	Short-Term Integrated Forecasting System
IOGCC	Interstate Oil and Gas Compact Commission	STEo	Short-Term Energy Outlook
LNG	Liquefied natural gas	Tcf	Trillion cubic feet

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## Highlights

This issue of the *Natural Gas Monthly* (NGM) contains estimates of natural gas data through May 2003 for many data series at the national level. National-level natural gas prices are available through April 2003 (electric utilities), or May (residential, commercial, industrial, and wellhead). State-level data generally are available through May 2003, although underground storage data are available through June 2003.

Recent analyses of the natural gas industry are available on the EIA web site, [www.eia.doe.gov](http://www.eia.doe.gov), under "Featured Topics" to the right side of the home page. The first two reports listed below are updated regularly. These reports are:

*Weekly Natural Gas Storage Report* — a weekly report containing estimates of natural gas in underground storage for the United States and three regions of the United States released each Thursday at 10:30 a.m. at the EIA Web site, except for certain weeks with Federal holidays. The report, first released on May 9, 2002, contains estimates of storage for the current

and prior week and comparisons to previous periods. Links are provided to papers describing survey Form EIA-912, "Weekly Underground Natural Gas Survey," and the estimation methodology.

*Natural Gas Weekly Update* — a current analysis of the industry each week, including information on natural gas spot and futures prices and storage activities. This page also provides links to numerous other EIA sites dealing with natural gas.

*Short-Term Energy Outlook* — projections of energy consumption, supply, and price by type of fuel, including natural gas, for the next 18 months.

Other natural gas data and analyses may be found through the "Natural Gas" section of EIA's web site. In the center section of the home page, the user should place the cursor on "By Fuel," then click on "Natural Gas" in the drop-down menu.

**Table 1. Summary of Natural Gas Production in the United States, 1997-2003**  
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed <sup>a</sup>	Vented and Flared	Marketed Production (Wet)	Extraction Loss <sup>b</sup>	Dry Gas Production <sup>c</sup>
<b>1997 Total</b>	<b>24,213</b>	<b>3,492</b>	<b>599</b>	<b>256</b>	<b>19,866</b>	<b>964</b>	<b>18,902</b>
<b>1998 Total</b>	<b>24,108</b>	<b>3,427</b>	<b>617</b>	<b>103</b>	<b>19,961</b>	<b>938</b>	<b>19,024</b>
<b>1999 Total</b>	<b>23,823</b>	<b>3,293</b>	<b>615</b>	<b>110</b>	<b>19,805</b>	<b>973</b>	<b>18,832</b>
<b>2000 Total</b>	<b>24,174</b>	<b>3,380</b>	<b>505</b>	<b>91</b>	<b>20,198</b>	<b>1,016</b>	<b>19,182</b>
<b>2001</b>							
January .....	2,101	289	39	7	1,766	82	1,685
February .....	1,912	277	38	8	1,588	73	1,515
March .....	2,139	294	42	7	1,797	83	1,714
April .....	2,023	271	39	8	1,705	79	1,626
May .....	2,061	253	39	7	1,762	81	1,681
June .....	2,003	258	35	6	1,703	79	1,624
July .....	2,035	253	42	9	1,730	80	1,650
August .....	2,053	264	41	7	1,742	81	1,661
September .....	1,992	267	38	7	1,679	78	1,602
October .....	2,088	288	36	7	1,755	81	1,674
November .....	2,004	285	35	7	1,676	78	1,599
December .....	2,067	297	39	6	1,725	80	1,645
<b>Total</b> .....	<b>24,476</b>	<b>3,296</b>	<b>464</b>	<b>86</b>	<b>20,630</b>	<b>954</b>	<b>19,676</b>
<b>2002</b>							
January .....	E2,066	E325	E35	E7	E1,698	E78	E1,620
February .....	E1,857	E306	E28	E6	E1,517	E70	E1,447
March .....	E2,077	E335	E31	E7	E1,704	E79	E1,625
April .....	E1,985	E314	E30	E7	E1,634	E75	E1,558
May .....	E2,063	E318	E32	E7	E1,706	E79	E1,628
June .....	E2,002	E302	E31	E7	E1,663	E77	E1,586
July .....	E2,040	E280	E32	E7	E1,720	E79	E1,641
August .....	E2,039	E298	E31	E7	E1,702	E79	E1,624
September .....	E1,901	E278	E30	E7	E1,586	E73	E1,513
October .....	E1,985	E317	E32	E7	E1,629	E75	E1,554
November .....	E2,010	E285	E32	E7	E1,685	E78	E1,608
December .....	E2,104	E340	E33	E7	E1,724	E80	E1,644
<b>Total</b> .....	<b>E24,130</b>	<b>E3,699</b>	<b>E378</b>	<b>E84</b>	<b>E19,969</b>	<b>E922</b>	<b>E19,047</b>
<b>2003</b>							
January .....	RE2,110	E332	E33	E7	RE1,738	E80	RE1,658
February .....	RE1,924	E310	E32	E6	RE1,576	E73	RE1,503
March .....	RE2,140	E331	E35	E7	RE1,767	E82	RE1,685
April .....	RE2,022	RE307	RE33	E7	RE1,675	RE77	RE1,597
May .....	E2,107	E328	E35	E7	E1,737	E80	E1,657
<b>2003 YTD</b>	<b>E10,303</b>	<b>E1,608</b>	<b>E168</b>	<b>E35</b>	<b>E8,493</b>	<b>E392</b>	<b>E8,100</b>
<b>2002 YTD</b>	<b>E10,049</b>	<b>E1,599</b>	<b>E157</b>	<b>E35</b>	<b>E8,259</b>	<b>E381</b>	<b>E7,878</b>
<b>2001 YTD</b>	<b>10,235</b>	<b>1,383</b>	<b>197</b>	<b>36</b>	<b>8,619</b>	<b>399</b>	<b>8,221</b>

<sup>a</sup> See Appendix A, Explanatory Note 2, for a discussion of data on Nonhydrocarbon Gases Removed.

<sup>b</sup> Extraction loss is collected only on an annual basis. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

<sup>c</sup> Equal to marketed production (wet) minus extraction loss.

E Estimated Data.

RE Revised Estimated Data.

**Notes:** Data for 1997 through 2001 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

**Sources:** 1997-2001: Energy Information Administration (EIA), *Natural Gas Annual 2001*. January 2002 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," and EIA estimates. See Appendix A, Explanatory Notes 1, 2, and 3, for discussion of computation and estimation procedures and revision policies.

## Table 2

**Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1997-2003**  
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels <sup>a</sup>	Net Imports	Net Storage Withdrawals <sup>b</sup>	Balancing Item <sup>c</sup>	Consumption <sup>d</sup>
<b>1997 Total</b>	<b>18,902</b>	<b>103</b>	<b>2,837</b>	<b>24</b>	<b>839</b>	<b>22,737</b>
<b>1998 Total</b>	<b>19,024</b>	<b>102</b>	<b>2,993</b>	<b>-530</b>	<b>633</b>	<b>22,245</b>
<b>1999 Total</b>	<b>18,832</b>	<b>98</b>	<b>3,422</b>	<b>172</b>	<b>-113</b>	<b>22,403</b>
<b>2000 Total</b>	<b>19,182</b>	<b>90</b>	<b>3,538</b>	<b>829</b>	<b>-271</b>	<b>23,368</b>
<b>2001</b>						
January .....	1,685	9	348	508	126	2,676
February .....	1,515	7	301	348	138	2,310
March .....	1,714	8	326	187	14	2,250
April .....	1,626	6	295	-284	163	1,807
May .....	1,681	6	293	-488	31	1,524
June .....	1,624	6	293	-449	-29	1,445
July .....	1,650	7	333	-392	-1	1,598
August .....	1,661	6	324	-313	-10	1,670
September .....	1,602	7	281	-379	-17	1,494
October .....	1,674	7	292	-193	-129	1,651
November .....	1,599	8	249	-74	-81	1,701
December .....	1,645	8	268	361	-160	2,122
<b>Total</b> .....	<b>19,676</b>	<b>86</b>	<b>3,604</b>	<b>-1,165</b>	<b>46</b>	<b>22,247</b>
<b>2002</b>						
January .....	E1,620	E8	308	546	-29	2,452
February .....	E1,447	E7	275	462	-1	2,189
March .....	E1,625	E8	294	320	-25	2,222
April .....	E1,558	E6	275	-126	130	1,844
May .....	E1,628	E6	279	-323	-6	1,583
June .....	E1,586	E5	272	-339	33	1,558
July .....	E1,641	E7	299	-239	R8	1,716
August .....	E1,624	E6	309	-234	-29	1,677
September .....	E1,513	E6	288	-292	-9	1,506
October .....	E1,554	E7	301	-84	-165	1,612
November .....	E1,608	E7	275	198	R-214	R1,874
December .....	E1,644	E8	314	558	-211	2,314
<b>Total</b> .....	<b>E19,047</b>	<b>E80</b>	<b>3,491</b>	<b>447</b>	<b>R-520</b>	<b>R22,545</b>
<b>2003</b>						
January .....	RE1,658	E8	290	841	R-167	2,630
February .....	RE1,503	E4	241	676	R28	R2,452
March .....	RE1,685	E7	261	R136	R58	R2,147
April .....	RE1,597	E6	E239	R-158	R8	1,692
May .....	RE1,657	E7	R251	-412	-25	1,477
<b>2003 YTD</b> .....	<b>E8,100</b>	<b>E32</b>	<b>E1,281</b>	<b>1,082</b>	<b>-98</b>	<b>10,398</b>
<b>2002 YTD</b> .....	<b>E7,878</b>	<b>E33</b>	<b>1,432</b>	<b>879</b>	<b>68</b>	<b>10,290</b>
<b>2001 YTD</b> .....	<b>8,221</b>	<b>37</b>	<b>1,563</b>	<b>272</b>	<b>473</b>	<b>10,565</b>

<sup>a</sup> Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Co. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Co.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Co. monthly value is added to the result to produce the monthly supplemental fuels estimate.

<sup>b</sup> Monthly and annual data for 1997 through 2001 include underground storage and liquefied natural gas storage. Data for January 2002 forward include underground storage only. See Appendix A, Explanatory Note 6 for discussion of computation procedures.

<sup>c</sup> Represents quantities lost and imbalances in data due to differences among data sources. Annual balancing item for 1997-2001 includes net intransit deliveries through the United States for natural gas not contained in the monthly net imports figures. These intransit deliveries were (in billion cubic feet): -36 for 2001; -65 for 2000; -8 for 1999; 22 for 1998; 31 for 1997.

See Appendix A, Explanatory Note 8, for full discussion.

<sup>d</sup> Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

R Revised Data.

E Estimated Data.

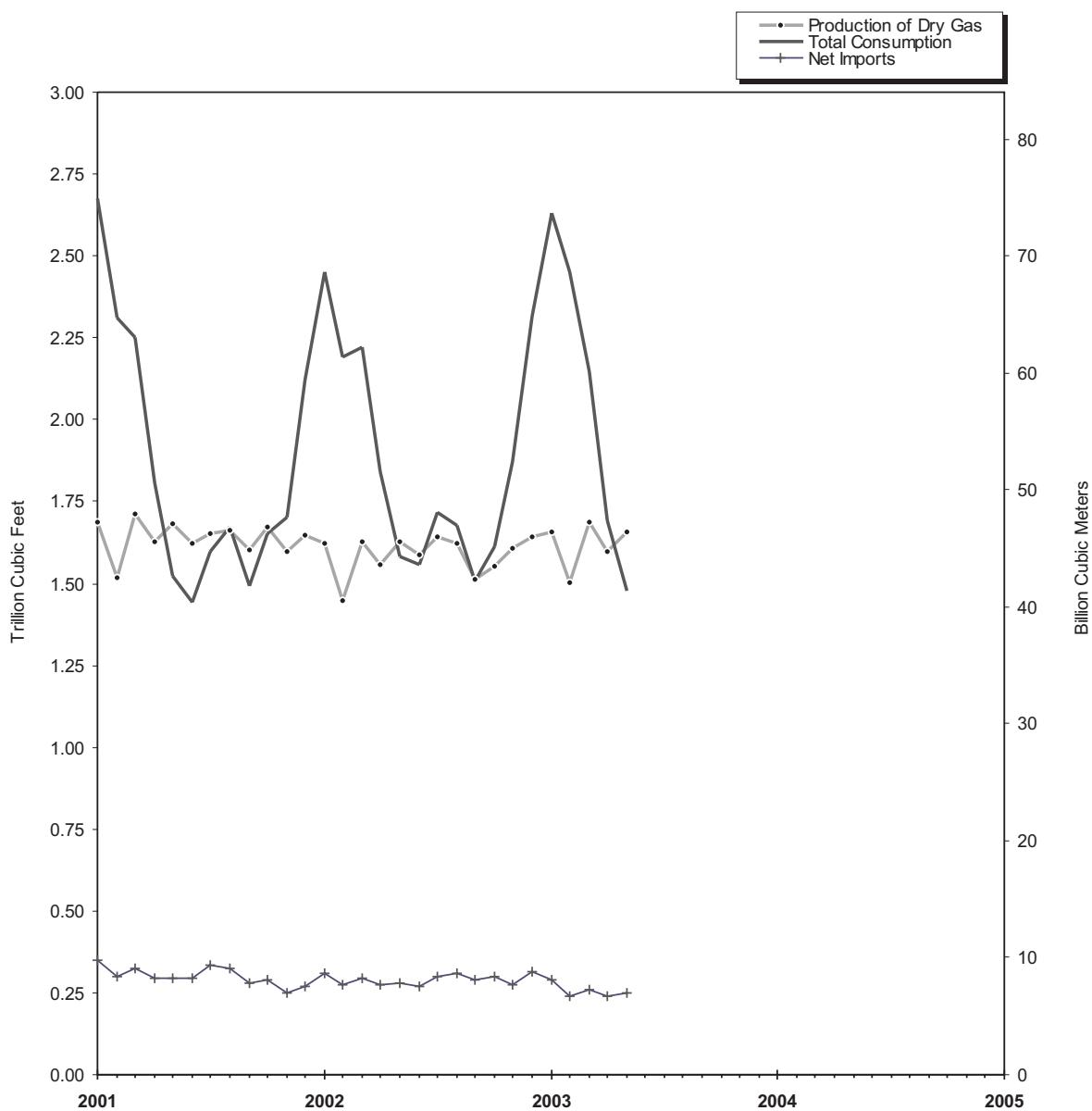
RE Revised Estimated Data.

**Notes:** Data for 1997 through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

**Sources:** 1997-2001: Energy Information Administration (EIA), *Natural Gas Annual 2001*. January 2002 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, and Office of Fossil Energy, "Natural Gas Imports and Exports." See Appendix A, Notes 4 and 5, for discussion of computation and estimation procedures and revision policies.

# Figure 1

Figure 1. Production, Consumption and Net Imports of Natural Gas in the United States, 2001-2003



Source: Table 2.

Table 3

**Table 3. Natural Gas Consumption in the United States, 1997-2003**  
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel <sup>a</sup>	Pipeline Fuel <sup>b</sup>	Delivered to Consumers						Total Consumption
			Residential	Commercial	Industrial	Electric Power	Vehicle Fuel	Total	
1997 Total .....	1,203	751	4,984	3,215	8,511	4,065	8	20,783	22,737
1998 Total .....	1,173	635	4,520	2,999	8,320	4,588	9	20,438	22,245
1999 Total .....	1,079	645	4,726	3,045	8,079	4,820	12	20,681	22,403
2000 Total .....	1,151	642	4,996	3,218	8,142	5,206	13	21,575	23,368
<b>2001</b>									
January .....	93	76	977	503	684	340	1	2,506	2,676
February .....	85	66	781	425	640	313	1	2,159	2,310
March .....	95	64	682	378	667	363	1	2,091	2,250
April .....	90	51	401	257	623	385	1	1,666	1,807
May .....	92	42	209	165	579	434	1	1,389	1,524
June .....	89	40	147	136	539	493	1	1,316	1,445
July .....	91	44	124	131	572	634	1	1,463	1,598
August .....	92	47	117	134	592	687	1	1,532	1,670
September .....	89	41	128	144	581	510	1	1,364	1,494
October .....	93	46	239	186	621	466	1	1,513	1,651
November .....	89	48	361	232	620	351	1	1,564	1,701
December .....	92	60	610	347	645	367	1	1,971	2,122
<b>Total</b> .....	<b>1,089</b>	<b>624</b>	<b>4,776</b>	<b>3,037</b>	<b>7,363</b>	<b>5,343</b>	<b>15</b>	<b>20,534</b>	<b>22,247</b>
<b>2002</b>									
January .....	E90	69	823	430	663	377	1	2,294	2,452
February .....	E80	61	707	389	610	341	1	2,048	2,189
March .....	E90	62	666	372	630	400	1	2,070	2,222
April .....	E86	52	421	265	620	399	1	1,706	1,844
May .....	E90	44	259	191	588	410	1	1,449	1,583
June .....	E88	44	163	150	570	541	1	1,426	1,558
July .....	E91	48	128	136	R586	725	1	1,577	1,716
August .....	E90	47	117	R139	R592	691	1	1,540	1,677
September .....	E84	42	125	143	556	555	1	1,380	1,506
October .....	E86	45	251	196	597	436	1	1,481	1,612
November .....	E89	R53	490	295	R609	337	1	R1,732	R1,874
December .....	E91	65	769	411	636	340	1	2,158	2,314
<b>Total</b> .....	<b>E1,053</b>	<b>632</b>	<b>4,918</b>	<b>R3,117</b>	<b>R7,257</b>	<b>5,553</b>	<b>15</b>	<b>R20,860</b>	<b>R22,545</b>
<b>2003</b>									
January .....	RE92	74	952	R490	R654	367	1	2,465	2,630
February .....	E83	69	R884	R469	R617	329	1	2,300	R2,452
March .....	E93	60	R675	R379	R585	R353	1	R1,993	R2,147
April .....	RE88	47	415	R257	R550	333	1	R1,556	1,692
May .....	E92	41	251	177	534	381	1	1,344	1,477
<b>2003 YTD<sup>d</sup></b> .....	<b>E448</b>	<b>292</b>	<b>3,177</b>	<b>1,772</b>	<b>2,940</b>	<b>1,763</b>	<b>6</b>	<b>9,658</b>	<b>10,398</b>
<b>2002 YTD<sup>d</sup></b> .....	<b>E435</b>	<b>289</b>	<b>2,875</b>	<b>1,647</b>	<b>3,111</b>	<b>1,927</b>	<b>6</b>	<b>9,566</b>	<b>10,290</b>
<b>2001 YTD<sup>d</sup></b> .....	<b>455</b>	<b>298</b>	<b>3,051</b>	<b>1,727</b>	<b>3,194</b>	<b>1,835</b>	<b>6</b>	<b>9,812</b>	<b>10,565</b>

<sup>a</sup> Plant fuel data and lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

<sup>b</sup> Pipeline fuel use is collected only on an annual basis. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

<sup>c</sup> Year-to-date volume represents months for which volume information is available in the current year.

<sup>d</sup> Revised Data.

<sup>e</sup> Estimated Data.

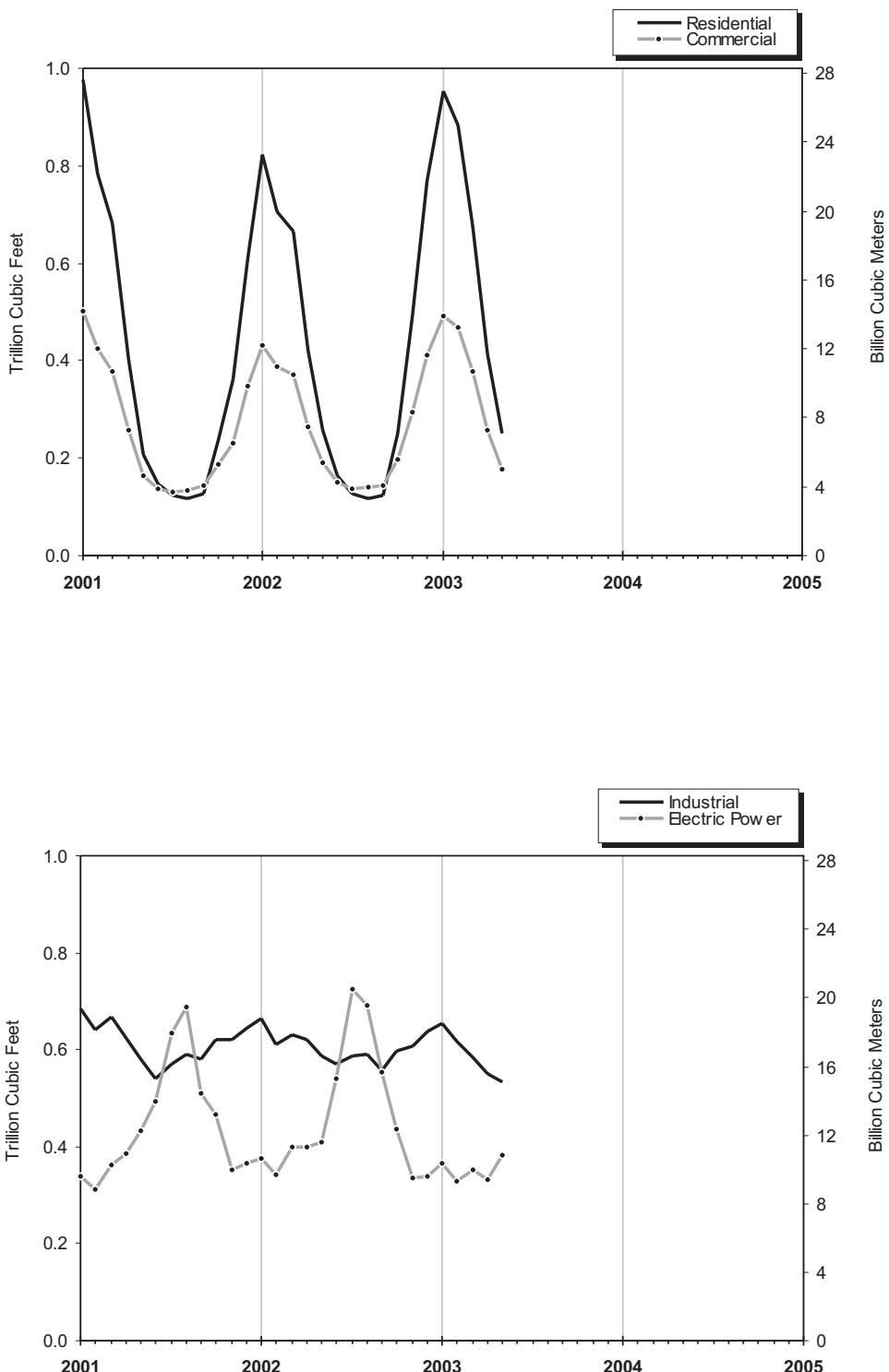
<sup>re</sup> Revised Estimated Data.

**Notes:** Data for 1997 through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. See Explanatory Note 7 for definition of sectors.

**Sources:** 1997-2001: Energy Information Administration (EIA): Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," Form EIA-906, "Power Plant Report," EIA computations, and *Natural Gas Annual 2001*. January 2002 through the current month: EIA: Form EIA-895, Form EIA-857, and Form EIA-906. See Appendix A, Explanatory Note 7, for computation procedures and revision policy.

# Figure 2

**Figure 2. Natural Gas Deliveries to Consumers in the United States, 2001-2003**



Source: Table 3.

Table 4

**Table 4. Selected National Average Natural Gas Prices, 1997-2003**  
(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price <sup>a</sup>	City Gate Price	Consumer Prices						Electric Utilities Price	
			Residential Price	Commercial		Industrial				
				Price	% of Total <sup>b</sup>	Price	% of Total <sup>b</sup>			
1997 Annual Average .....	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78		
1998 Annual Average .....	1.96	3.07	6.82	5.48	67.0	3.14	16.1	2.40		
1999 Annual Average .....	2.19	3.10	6.69	5.33	66.1	3.12	18.8	2.62		
2000 Annual Average .....	3.69	4.62	7.76	6.59	62.9	4.45	19.8	4.38		
<b>2001</b>										
January .....	6.82	8.91	10.12	9.50	72.7	8.77	22.1	9.49		
February .....	5.08	7.08	10.26	9.80	71.6	7.24	21.7	7.18		
March .....	4.37	6.10	9.85	9.13	69.0	6.35	20.4	5.90		
April .....	4.52	6.30	10.16	9.01	66.3	6.16	19.5	5.82		
May .....	4.36	5.77	11.14	9.19	60.7	5.49	17.9	5.29		
June .....	3.80	5.38	11.59	8.50	59.3	4.80	17.6	4.37		
July .....	3.36	4.03	11.22	7.90	54.2	4.13	18.5	3.85		
August .....	3.34	4.32	10.89	7.61	53.6	4.01	18.0	3.64		
September .....	2.94	3.66	10.17	6.96	53.8	3.56	18.2	3.03		
October .....	2.81	3.37	8.24	6.39	59.9	3.23	18.7	2.78		
November .....	3.42	4.02	7.98	6.79	64.8	3.92	18.7	3.32		
December .....	3.44	3.90	7.30	6.35	67.9	3.75	19.4	3.14		
Annual Average .....	4.02	5.72	9.64	8.43	65.8	5.28	19.3	4.61		
<b>2002</b>										
January .....	£2.35	4.04	7.29	6.48	79.1	4.08	17.4	3.31		
February .....	£2.14	3.77	7.27	6.43	79.5	3.72	17.9	3.05		
March .....	£2.52	3.85	7.06	6.26	79.3	3.80	17.7	3.50		
April .....	£3.02	4.17	7.65	6.55	75.8	3.62	23.2	3.90		
May .....	£3.01	4.07	8.54	6.63	72.9	4.02	21.0	3.88		
June .....	£2.94	4.14	9.57	£6.59	72.0	3.83	22.5	3.67		
July .....	£2.89	3.92	10.15	6.52	71.7	3.78	£20.7	3.53		
August .....	£2.77	3.62	10.40	£6.38	£70.0	3.64	19.4	3.47		
September .....	£2.98	£3.96	10.19	6.44	68.9	3.87	19.5	3.76		
October .....	£3.35	4.29	8.56	£6.51	£73.0	£4.15	18.8	4.26		
November .....	£3.59	£4.62	7.98	6.75	79.0	4.67	£18.8	4.49		
December .....	£3.84	4.69	7.80	7.07	79.4	4.87	20.1	4.85		
Annual Average .....	£2.95	4.14	7.86	6.57	76.6	4.00	£19.7	3.77		
<b>2003</b>										
January .....	£4.47	5.26	8.07	£7.32	£81.8	5.31	£22.4	5.12		
February .....	£5.45	5.88	£8.42	7.83	£79.1	6.17	21.8	6.38		
March .....	£6.69	£7.59	9.71	£8.97	£79.8	8.08	21.2	7.53		
April .....	£4.71	£5.66	10.02	£8.73	£76.0	5.88	21.0	5.63		
May .....	£4.97	5.66	10.55	8.72	73.0	5.60	20.5	NA		
2003 YTD <sup>c</sup> .....	£5.26	5.98	8.97	8.14	79.0	6.20	21.4	NA		
2002 YTD <sup>c</sup> .....	£2.61	3.96	7.40	6.44	78.0	3.84	19.4	3.56		
2001 YTD <sup>c</sup> .....	5.03	7.16	10.17	9.40	69.5	6.93	20.4	6.53		

<sup>a</sup> See Appendix A, Explanatory Note 10, for discussion of wellhead prices.

<sup>b</sup> Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for State data.

<sup>c</sup> Year-to-date price represents months for which price information is available in the current year. The electric utility year-to-date price is 1 month behind the wellhead, city gate, residential, commercial, and industrial year-to-date prices.

<sup>R</sup> Revised Data.

<sup>E</sup> Estimated Data.

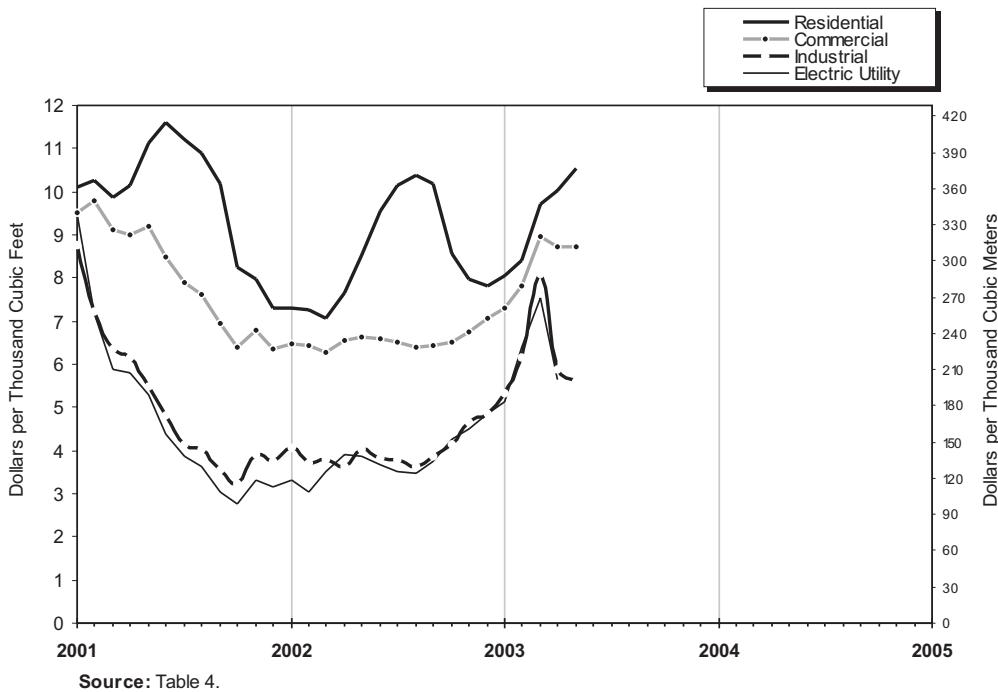
NA Not Available.

**Notes:** Data for 1997 through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

**Sources:** 1997-2001: Energy Information Administration (EIA) *Natural Gas Annual 2001*. January 2002 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-910, "Monthly Natural Gas Marketer Survey," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates.

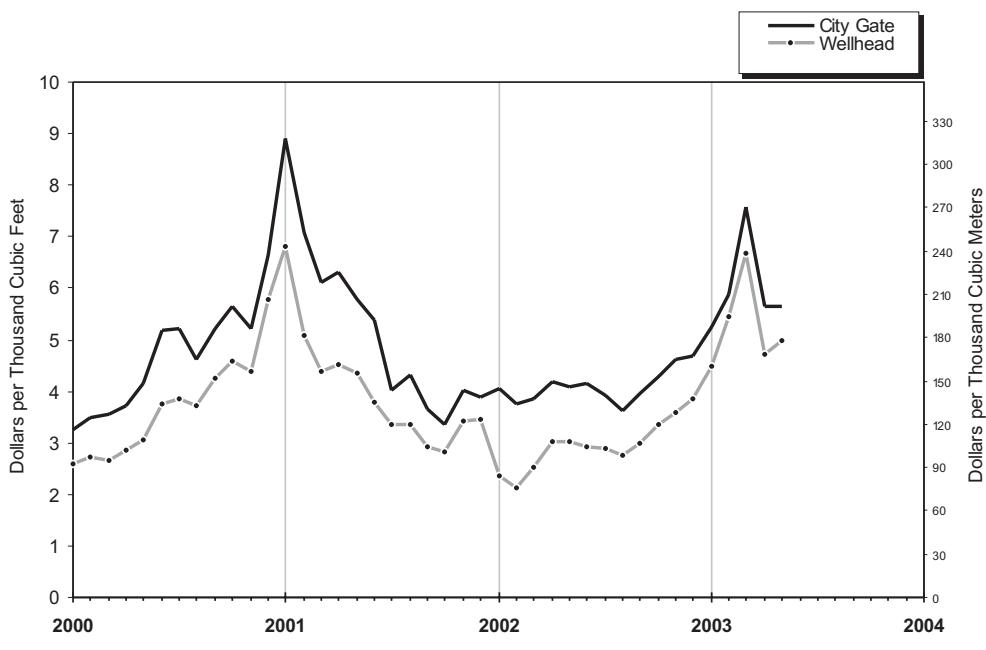
# Figures 3 and 4

**Figure 3. Average Consumer Price of Natural Gas in the U.S., 2001-2003**



Source: Table 4.

**Figure 4. Average Price of Natural Gas in the United States, 2000-2003**



Source: Table 4.

Table 5

**Table 5. U.S. Natural Gas Imports and Exports, 2001-2003**

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

	YTD 2003	YTD 2002	YTD 2001	2003					
				June	May	April			
<b>Imports</b>									
Volume (million cubic feet)									
<b>Pipeline</b>									
Canada <sup>a</sup>	1,656,707	1,832,379	1,870,744	251,913	R262,885	262,301			
Mexico	885	1,755	7,295	885	0	0			
<b>Total Pipeline Imports</b>	<b>1,657,591</b>	<b>1,834,134</b>	<b>1,878,040</b>	<b>252,797</b>	<b>R262,885</b>	<b>262,301</b>			
<b>LNG</b>									
Algeria	20,650	16,647	36,807	2,788	4,190	10,893			
Australia	0	0	0	0	0	0			
Brunei	0	2,401	0	0	0	0			
Indonesia	0	0	0	0	0	0			
Malaysia	0	2,423	0	0	0	0			
Nigeria	25,128	0	27,517	11,237	11,288	2,604			
Oman	0	0	6,056	0	0	0			
Qatar	1,871	24,545	12,904	0	0	0			
Trinidad	156,725	50,880	56,011	36,733	R30,335	19,184			
United Arab Emirates	0	0	0	0	0	0			
<b>Total LNG Imports</b>	<b>204,374</b>	<b>96,896</b>	<b>139,295</b>	<b>50,758</b>	<b>R45,813</b>	<b>32,682</b>			
<b>Total Imports</b>	<b>1,861,966</b>	<b>1,931,029</b>	<b>2,017,335</b>	<b>303,556</b>	<b>R308,698</b>	<b>294,983</b>			
Average Price (dollars per thousand cubic feet)									
<b>Pipeline</b>									
Canada	NA	2.85	6.08	NA	NA	NA			
Mexico	NA	2.36	6.05	NA	-	-			
<b>Total Pipeline Imports</b>	<b>NA</b>	<b>2.85</b>	<b>6.08</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>			
<b>LNG</b>									
Algeria	NA	3.50	4.47	NA	NA	NA			
Australia	-	-	-	-	-	-			
Brunei	-	2.82	-	-	-	-			
Indonesia	-	-	-	-	-	-			
Malaysia	-	3.43	-	-	-	-			
Nigeria	NA	-	6.26	NA	NA	NA			
Oman	-	-	6.31	-	-	-			
Qatar	5.94	3.35	4.96	-	-	-			
Trinidad	NA	3.10	4.83	NA	NA	NA			
United Arab Emirates	-	-	-	-	-	-			
<b>Total LNG Imports</b>	<b>NA</b>	<b>3.24</b>	<b>5.09</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>			
<b>Total Imports</b>	<b>NA</b>	<b>2.87</b>	<b>6.02</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>			
<b>Exports</b>									
Volume (million cubic feet)									
<b>Pipeline</b>									
Canada	173,390	88,139	81,913	26,329	36,877	32,890			
Mexico	E122,391	108,414	49,680	E17,298	E17,298	E17,298			
<b>Total Pipeline Exports</b>	<b>E295,781</b>	<b>196,553</b>	<b>131,593</b>	<b>E43,627</b>	<b>E54,175</b>	<b>E50,188</b>			
<b>LNG</b>									
Japan	28,292	29,846	29,904	3,478	3,776	5,605			
Mexico	NA	208	224	NA	NA	NA			
<b>Total LNG Exports</b>	<b>28,416</b>	<b>30,054</b>	<b>30,128</b>	<b>3,478</b>	<b>3,776</b>	<b>5,605</b>			
<b>Total Exports</b>	<b>E324,197</b>	<b>226,607</b>	<b>161,721</b>	<b>E47,105</b>	<b>E57,951</b>	<b>E55,792</b>			
Average Price dollars per thousand cubic feet)									
<b>Pipeline</b>									
Canada	NA	2.84	5.21	NA	NA	NA			
Mexico	NA	3.02	7.04	NA	NA	NA			
<b>Total Pipeline Exports</b>	<b>NA</b>	<b>2.94</b>	<b>5.90</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>			
<b>LNG</b>									
Japan	NA	3.87	4.47	NA	NA	NA			
Mexico	NA	5.82	5.82	NA	NA	NA			
<b>Total LNG Exports</b>	<b>NA</b>	<b>3.89</b>	<b>4.48</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>			
<b>Total Exports</b>	<b>NA</b>	<b>3.06</b>	<b>5.64</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>			
<b>Net Imports - Volume</b>	<b>E1,537,769</b>	<b>1,704,423</b>	<b>1,855,614</b>	<b>256,451</b>	<b>R250,747</b>	<b>E239,191</b>			

See footnotes at end of table.

**Table 5. U.S. Natural Gas Imports and Exports, 2001-2003**

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

	2003			2002		
	March	February	January	Total	December	November
<b>Imports</b>						
Volume (million cubic feet)						
<b>Pipeline</b>						
Canada <sup>a</sup> .....	281,485	276,078	322,045	3,777,032	348,952	308,220
Mexico .....	0	0	0	1,755	0	0
<b>Total Pipeline Imports</b> .....	<b>281,485</b>	<b>276,078</b>	<b>322,045</b>	<b>3,778,786</b>	<b>348,952</b>	<b>308,220</b>
<b>LNG</b>						
Algeria .....	2,778	0	0	26,584	2,636	2,636
Australia .....	0	0	0	0	0	0
Brunei .....	0	0	0	2,401	0	0
Indonesia .....	0	0	0	0	0	0
Malaysia .....	0	0	0	2,423	0	0
Nigeria .....	0	0	0	8,123	0	0
Oman .....	0	0	0	3,013	0	0
Qatar .....	1,871	0	0	35,081	0	0
Trinidad .....	26,353	21,007	23,113	151,104	17,512	19,169
United Arab Emirates .....	0	0	0	0	0	0
<b>Total LNG Imports</b> .....	<b>31,002</b>	<b>21,007</b>	<b>23,113</b>	<b>228,730</b>	<b>20,147</b>	<b>21,804</b>
<b>Total Imports</b> .....	<b>312,487</b>	<b>297,084</b>	<b>345,158</b>	<b>4,007,516</b>	<b>369,099</b>	<b>330,025</b>
Average Price (dollars per thousand cubic feet)						
<b>Pipeline</b>						
Canada .....	7.79	5.76	4.88	3.13	4.19	4.06
Mexico .....	-	-	-	2.36	-	-
<b>Total Pipeline Imports</b> .....	<b>7.79</b>	<b>5.76</b>	<b>4.88</b>	<b>3.13</b>	<b>4.19</b>	<b>4.06</b>
<b>LNG</b>						
Algeria .....	7.79	-	-	3.61	4.20	4.07
Australia .....	-	-	-	-	-	-
Brunei .....	-	-	-	2.82	-	-
Indonesia .....	-	-	-	-	-	-
Malaysia .....	-	-	-	3.43	-	-
Nigeria .....	-	-	-	3.21	-	-
Oman .....	-	-	-	3.34	-	-
Qatar .....	5.94	-	-	3.39	-	-
Trinidad .....	5.13	4.84	4.69	3.43	4.42	3.85
United Arab Emirates .....	-	-	-	-	-	-
<b>Total LNG Imports</b> .....	<b>5.42</b>	<b>4.84</b>	<b>4.69</b>	<b>3.43</b>	<b>4.39</b>	<b>3.88</b>
<b>Total Imports</b> .....	<b>7.55</b>	<b>5.69</b>	<b>4.87</b>	<b>3.15</b>	<b>4.20</b>	<b>4.05</b>
<b>Exports</b>						
Volume (million cubic feet)						
<b>Pipeline</b>						
Canada .....	28,909	25,141	23,244	189,313	26,005	27,678
Mexico .....	17,298	25,177	28,021	263,078	23,113	21,264
<b>Total Pipeline Exports</b> .....	<b>46,207</b>	<b>50,318</b>	<b>51,266</b>	<b>452,391</b>	<b>49,118</b>	<b>48,942</b>
<b>LNG</b>						
Japan .....	5,565	5,569	4,301	63,439	5,660	5,609
Mexico .....	40	40	44	403	43	37
<b>Total LNG Exports</b> .....	<b>5,604</b>	<b>5,609</b>	<b>4,345</b>	<b>63,842</b>	<b>5,703</b>	<b>5,647</b>
<b>Total Exports</b> .....	<b>51,811</b>	<b>55,927</b>	<b>55,611</b>	<b>516,233</b>	<b>54,821</b>	<b>54,589</b>
Average Price dollars per thousand cubic feet)						
<b>Pipeline</b>						
Canada .....	9.27	7.57	6.57	3.34	4.33	4.33
Mexico .....	8.46	5.78	5.03	3.30	4.26	4.03
<b>Total Pipeline Exports</b> .....	<b>8.97</b>	<b>6.67</b>	<b>5.73</b>	<b>3.32</b>	<b>4.30</b>	<b>4.20</b>
<b>LNG</b>						
Japan .....	4.29	4.43	4.42	4.07	4.33	4.29
Mexico .....	5.82	5.82	5.82	5.82	5.82	5.82
<b>Total LNG Exports</b> .....	<b>4.30</b>	<b>4.44</b>	<b>4.43</b>	<b>4.08</b>	<b>4.34</b>	<b>4.30</b>
<b>Total Exports</b> .....	<b>8.46</b>	<b>6.45</b>	<b>5.63</b>	<b>3.41</b>	<b>4.30</b>	<b>4.21</b>
<b>Net Imports - Volume</b> .....	<b>260,676</b>	<b>241,157</b>	<b>289,547</b>	<b>3,491,283</b>	<b>314,278</b>	<b>275,436</b>

See footnotes at end of table.

Table 5

**Table 5. U.S. Natural Gas Imports and Exports, 2001-2003**

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

	2002					
	October	September	August	July	June	May
<b>Imports</b>						
Volume (million cubic feet)						
<b>Pipeline</b>						
Canada <sup>a</sup> .....	315,486	318,108	331,234	322,654	291,606	290,759
Mexico .....	0	0	0	0	0	0
<b>Total Pipeline Imports</b> .....	<b>315,486</b>	<b>318,108</b>	<b>331,234</b>	<b>322,654</b>	<b>291,606</b>	<b>290,759</b>
<b>LNG</b>						
Algeria .....	0	0	0	4,665	4,665	7,344
Australia .....	0	0	0	0	0	0
Brunei .....	0	0	0	0	0	2,401
Indonesia .....	0	0	0	0	0	0
Malaysia .....	0	0	0	0	0	2,423
Nigeria .....	5,403	0	2,720	0	0	0
Oman .....	0	0	3,013	0	0	0
Qatar .....	0	2,517	2,644	5,375	13,903	5,612
Trinidad .....	22,018	14,369	15,796	11,360	7,256	10,312
United Arab Emirates .....	0	0	0	0	0	0
<b>Total LNG Imports</b> .....	<b>27,421</b>	<b>16,886</b>	<b>24,174</b>	<b>21,400</b>	<b>25,824</b>	<b>28,092</b>
<b>Total Imports</b> .....	<b>342,907</b>	<b>334,994</b>	<b>355,408</b>	<b>344,054</b>	<b>317,431</b>	<b>318,851</b>
Average Price (dollars per thousand cubic feet)						
<b>Pipeline</b>						
Canada .....	3.58	3.05	2.67	2.81	3.06	3.24
Mexico .....	-	-	-	-	-	-
<b>Total Pipeline Imports</b> .....	<b>3.58</b>	<b>3.05</b>	<b>2.67</b>	<b>2.81</b>	<b>3.06</b>	<b>3.24</b>
<b>LNG</b>						
Algeria .....	-	-	-	3.41	3.60	3.43
Australia .....	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	2.82
Indonesia .....	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	3.43
Nigeria .....	3.01	-	3.61	-	-	-
Oman .....	-	-	3.34	-	-	-
Qatar .....	-	3.59	3.16	3.56	3.43	3.45
Trinidad .....	3.52	3.30	3.06	3.22	3.18	3.23
United Arab Emirates .....	-	-	-	-	-	-
<b>Total LNG Imports</b> .....	<b>3.42</b>	<b>3.34</b>	<b>3.17</b>	<b>3.35</b>	<b>3.39</b>	<b>3.31</b>
<b>Total Imports</b> .....	<b>3.57</b>	<b>3.06</b>	<b>2.70</b>	<b>2.84</b>	<b>3.09</b>	<b>3.25</b>
<b>Exports</b>						
Volume (million cubic feet)						
<b>Pipeline</b>						
Canada .....	10,182	13,471	11,983	11,856	14,379	14,777
Mexico .....	26,314	27,482	28,922	27,570	24,948	22,799
<b>Total Pipeline Exports</b> .....	<b>36,495</b>	<b>40,952</b>	<b>40,905</b>	<b>39,426</b>	<b>39,327</b>	<b>37,576</b>
<b>LNG</b>						
Japan .....	5,571	5,583	5,583	5,588	5,586	1,853
Mexico .....	43	28	24	19	25	30
<b>Total LNG Exports</b> .....	<b>5,614</b>	<b>5,611</b>	<b>5,607</b>	<b>5,607</b>	<b>5,612</b>	<b>1,882</b>
<b>Total Exports</b> .....	<b>42,109</b>	<b>46,563</b>	<b>46,511</b>	<b>45,032</b>	<b>44,939</b>	<b>39,459</b>
Average Price dollars per thousand cubic feet)						
<b>Pipeline</b>						
Canada .....	3.78	3.23	2.59	3.18	3.26	3.33
Mexico .....	3.58	3.25	2.92	3.21	3.14	3.27
<b>Total Pipeline Exports</b> .....	<b>3.64</b>	<b>3.24</b>	<b>2.82</b>	<b>3.20</b>	<b>3.18</b>	<b>3.29</b>
<b>LNG</b>						
Japan .....	4.27	4.29	4.25	4.08	3.84	3.76
Mexico .....	5.82	5.82	5.82	5.82	5.82	5.82
<b>Total LNG Exports</b> .....	<b>4.28</b>	<b>4.30</b>	<b>4.26</b>	<b>4.09</b>	<b>3.85</b>	<b>3.79</b>
<b>Total Exports</b> .....	<b>3.72</b>	<b>3.37</b>	<b>3.00</b>	<b>3.31</b>	<b>3.27</b>	<b>3.32</b>
<b>Net Imports - Volume</b> .....	<b>300,798</b>	<b>288,431</b>	<b>308,896</b>	<b>299,021</b>	<b>272,492</b>	<b>279,392</b>

See footnotes at end of table.

**Table 5. U.S. Natural Gas Imports and Exports, 2001-2003**

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

	2002				2001	
	April	March	February	January	Total	December
<b>Imports</b>						
Volume (million cubic feet)						
<b>Pipeline</b>						
Canada <sup>a</sup>	297,315	321,851	297,023	333,825	3,728,537	293,640
Mexico	0	0	798	956	10,276	2,821
<b>Total Pipeline Imports</b>	<b>297,315</b>	<b>321,851</b>	<b>297,821</b>	<b>334,781</b>	<b>3,738,814</b>	<b>296,461</b>
<b>LNG</b>						
Algeria	1,912	0	0	2,726	64,945	5,237
Australia	0	0	0	0	2,394	0
Brunei	0	0	0	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0
Nigeria	0	0	0	0	37,966	0
Oman	0	0	0	0	12,055	0
Qatar	5,030	0	0	0	22,758	0
Trinidad	10,271	10,151	7,571	5,318	98,009	7,975
United Arab Emirates	0	0	0	0	0	0
<b>Total LNG Imports</b>	<b>17,213</b>	<b>10,151</b>	<b>7,571</b>	<b>8,043</b>	<b>238,126</b>	<b>13,212</b>
<b>Total Imports</b>	<b>314,528</b>	<b>332,003</b>	<b>305,392</b>	<b>342,825</b>	<b>3,976,939</b>	<b>309,673</b>
Average Price (dollars per thousand cubic feet)						
<b>Pipeline</b>						
Canada	3.28	2.61	2.29	2.70	4.43	2.68
Mexico	-	-	2.09	2.58	5.00	2.44
<b>Total Pipeline Imports</b>	<b>3.28</b>	<b>2.61</b>	<b>2.29</b>	<b>2.70</b>	<b>4.44</b>	<b>2.67</b>
<b>LNG</b>						
Algeria	3.18	-	-	3.77	3.73	2.68
Australia	-	-	-	-	3.86	-
Brunei	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-
Nigeria	-	-	-	-	5.56	-
Oman	-	-	-	-	5.56	-
Qatar	3.03	-	-	-	4.37	-
Trinidad	3.09	2.68	3.00	3.71	4.14	3.12
United Arab Emirates	-	-	-	-	-	-
<b>Total LNG Imports</b>	<b>3.08</b>	<b>2.68</b>	<b>3.00</b>	<b>3.73</b>	<b>4.35</b>	<b>2.95</b>
<b>Total Imports</b>	<b>3.27</b>	<b>2.61</b>	<b>2.31</b>	<b>2.72</b>	<b>4.43</b>	<b>2.68</b>
<b>Exports</b>						
Volume (million cubic feet)						
<b>Pipeline</b>						
Canada	12,619	14,270	15,822	16,274	166,690	25,165
Mexico	19,122	18,213	10,770	12,562	140,370	10,751
<b>Total Pipeline Exports</b>	<b>31,740</b>	<b>32,483</b>	<b>26,591</b>	<b>28,835</b>	<b>307,060</b>	<b>35,916</b>
<b>LNG</b>						
Japan	7,427	5,619	3,755	5,605	65,753	5,602
Mexico	26	39	37	51	465	46
<b>Total LNG Exports</b>	<b>7,454</b>	<b>5,658</b>	<b>3,792</b>	<b>5,656</b>	<b>66,218</b>	<b>5,648</b>
<b>Total Exports</b>	<b>39,194</b>	<b>38,141</b>	<b>30,383</b>	<b>34,491</b>	<b>373,278</b>	<b>41,564</b>
Average Price dollars per thousand cubic feet)						
<b>Pipeline</b>						
Canada	3.38	2.43	2.15	2.61	3.97	2.51
Mexico	3.52	2.70	2.25	2.66	4.34	2.55
<b>Total Pipeline Exports</b>	<b>3.46</b>	<b>2.58</b>	<b>2.19</b>	<b>2.63</b>	<b>4.14</b>	<b>2.52</b>
<b>LNG</b>						
Japan	3.67	3.73	4.02	4.26	4.39	4.29
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
<b>Total LNG Exports</b>	<b>3.68</b>	<b>3.74</b>	<b>4.04</b>	<b>4.27</b>	<b>4.40</b>	<b>4.30</b>
<b>Total Exports</b>	<b>3.50</b>	<b>2.75</b>	<b>2.42</b>	<b>2.90</b>	<b>4.19</b>	<b>2.76</b>
<b>Net Imports - Volume</b>	<b>275,334</b>	<b>293,862</b>	<b>275,009</b>	<b>308,333</b>	<b>3,603,661</b>	<b>268,109</b>

<sup>a</sup> Beginning with data for January 2001, EIA is reducing the reported volume of gas imported by pipeline from Canada by the amount of natural gas liquids removed from the saturated natural gas carried by Alliance Pipeline. Alliance moves saturated natural gas from the border to a processing plant in Illinois. After the adjustment, volumes of imported natural gas on this pipeline are on the same physical basis as other reported volumes of pipeline imports.

<sup>r</sup> Revised Data.<sup>e</sup> Estimated Data.<sup>NA</sup> Not Available.

— Not Applicable.

**Sources:** Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," and EIA estimates of dry natural gas imports. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6

**Table 6. Summary of U.S. Natural Gas Imports and Exports, 1997-2001**

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

	1997	1998	1999	2000	2001
<b>Imports</b>					
Volume (million cubic feet)					
<b>Pipeline</b>					
Canada .....	2,899,152	3,052,073	3,367,545	3,543,966	<sup>a</sup> 3,728,537
Mexico .....	17,243	14,532	54,530	11,601	10,276
<b>Total Pipeline Imports</b> .....	<b>2,916,394</b>	<b>3,066,605</b>	<b>3,422,075</b>	<b>3,555,567</b>	<b>3,738,814</b>
<b>LNG</b>					
Algeria .....	65,675	68,567	75,763	46,947	64,945
Australia .....	9,686	11,634	11,904	5,945	2,394
Brunei .....	0	0	0	0	0
Indonesia .....	0	0	0	2,760	0
Malaysia .....	0	0	2,576	0	0
Nigeria .....	0	0	0	12,654	37,966
Oman .....	0	0	0	9,998	12,055
Qatar .....	0	0	19,697	46,057	22,758
Trinidad .....	0	0	50,777	98,949	98,009
United Arab Emirates .....	2,417	5,252	2,713	2,725	0
<b>Total LNG Imports</b> .....	<b>77,778</b>	<b>85,453</b>	<b>163,430</b>	<b>226,036</b>	<b>238,126</b>
<b>Total Imports</b> .....	<b>2,994,173</b>	<b>3,152,058</b>	<b>3,585,505</b>	<b>3,781,603</b>	<b>3,976,939</b>
Average Price (dollars per thousand cubic feet)					
<b>Pipeline</b>					
Canada .....	2.15	1.95	2.23	3.97	4.43
Mexico .....	2.31	2.03	2.14	5.43	5.00
<b>Total Pipeline Imports</b> .....	<b>2.15</b>	<b>1.95</b>	<b>2.23</b>	<b>3.98</b>	<b>4.44</b>
<b>LNG</b>					
Algeria .....	2.67	2.51	2.41	3.48	3.73
Australia .....	2.92	3.30	2.70	3.25	3.86
Brunei .....	-	-	-	-	-
Indonesia .....	-	-	-	3.99	-
Malaysia .....	-	-	2.36	-	-
Nigeria .....	-	-	-	4.37	5.56
Oman .....	-	-	-	3.36	5.56
Qatar .....	-	-	2.71	3.44	4.37
Trinidad .....	-	-	2.39	3.43	4.14
United Arab Emirates .....	3.74	2.63	3.03	3.53	-
<b>Total LNG Imports</b> .....	<b>2.74</b>	<b>2.63</b>	<b>2.47</b>	<b>3.50</b>	<b>4.35</b>
<b>Total Imports</b> .....	<b>2.17</b>	<b>1.97</b>	<b>2.24</b>	<b>3.95</b>	<b>4.43</b>
<b>Exports</b>					
Volume (million cubic feet)					
<b>Pipeline</b>					
Canada .....	56,447	39,891	38,508	72,586	166,690
Mexico .....	38,372	53,133	61,025	105,102	140,370
<b>Total Pipeline Exports</b> .....	<b>94,818</b>	<b>93,023</b>	<b>99,533</b>	<b>177,688</b>	<b>307,060</b>
<b>LNG</b>					
Japan .....	62,187	65,951	63,607	65,610	65,753
Mexico .....	0	33	275	418	465
<b>Total LNG Exports</b> .....	<b>62,187</b>	<b>65,984</b>	<b>63,882</b>	<b>66,028</b>	<b>66,218</b>
<b>Total Exports</b> .....	<b>157,006</b>	<b>159,007</b>	<b>163,415</b>	<b>243,716</b>	<b>373,278</b>
Average Price dollars per thousand cubic feet)					
<b>Pipeline</b>					
Canada .....	2.52	2.25	2.35	3.66	3.97
Mexico .....	2.46	2.04	2.27	4.26	4.34
<b>Total Pipeline Exports</b> .....	<b>2.49</b>	<b>2.13</b>	<b>2.30</b>	<b>4.01</b>	<b>4.14</b>
<b>LNG</b>					
Japan .....	3.83	2.91	3.08	4.31	4.39
Mexico .....	-	5.69	6.95	5.82	5.82
<b>Total LNG Exports</b> .....	<b>3.83</b>	<b>2.91</b>	<b>3.10</b>	<b>4.31</b>	<b>4.40</b>
<b>Total Exports</b> .....	<b>3.02</b>	<b>2.45</b>	<b>2.61</b>	<b>4.10</b>	<b>4.19</b>
<b>Net Imports - Volume</b> .....	<b>2,837,167</b>	<b>2,993,051</b>	<b>3,422,090</b>	<b>3,537,887</b>	<b>3,603,661</b>

<sup>a</sup> Beginning with data for January 2001, EIA is reducing the reported volume of gas imported by pipeline from Canada by the amount of natural gas liquids removed from the saturated natural gas carried by Alliance Pipeline. Alliance moves saturated natural gas from the border to a processing plant in Illinois. After the adjustment, volumes of imported natural gas on this pipeline are on

the same physical basis as other reported volumes of pipeline imports.

— Not Applicable.

**Sources:** Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," and EIA estimates of dry natural gas imports. LNG data: Industry reports.

**Table 7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico,  
1997-2003**  
(Million Cubic Feet)

Year and Month	Alabama	Alaska	Arizona	California	Colorado	Florida	Kansas
<b>1997 Total</b>	<b>388,596</b>	<b>468,311</b>	<b>452</b>	<b>285,690</b>	<b>637,375</b>	<b>6,114</b>	<b>687,215</b>
<b>1998 Total</b>	<b>392,394</b>	<b>466,648</b>	<b>457</b>	<b>315,277</b>	<b>696,321</b>	<b>5,796</b>	<b>603,586</b>
<b>1999 Total</b>	<b>381,701</b>	<b>462,967</b>	<b>474</b>	<b>382,715</b>	<b>722,738</b>	<b>5,933</b>	<b>553,419</b>
<b>2000 Total</b>	<b>363,467</b>	<b>458,995</b>	<b>368</b>	<b>376,580</b>	<b>752,985</b>	<b>6,491</b>	<b>525,729</b>
<b>2001</b>							
January	30,460	43,493	31	31,909	67,774	498	45,297
February	27,096	39,459	28	27,787	60,001	488	38,003
March	29,918	43,641	31	30,312	65,317	587	41,029
April	28,864	38,225	32	29,074	60,134	520	39,827
May	29,742	34,303	28	31,230	61,348	513	40,035
June	28,993	36,875	25	30,568	59,612	413	40,304
July	30,616	36,548	26	32,970	57,369	471	40,127
August	30,999	36,804	24	33,137	54,463	464	39,822
September	30,101	38,041	22	32,377	53,484	484	38,427
October	30,194	40,559	20	33,725	51,818	386	39,337
November	29,379	40,007	15	32,455	52,383	413	38,254
December	30,446	43,487	25	32,281	52,534	472	39,682
<b>Total</b>	<b>356,810</b>	<b>471,440</b>	<b>307</b>	<b>377,824</b>	<b>696,237</b>	<b>5,710</b>	<b>480,145</b>
<b>2002</b>							
January	29,824	42,257	26	30,928	E54,022	342	39,644
February	27,219	38,966	23	28,337	E50,723	256	35,325
March	29,303	41,993	26	31,562	E52,656	386	38,902
April	28,624	40,086	23	29,413	E49,867	291	38,190
May	28,908	35,924	23	30,596	E52,315	296	39,173
June	28,600	37,109	24	30,261	E49,327	287	38,427
July	29,707	36,269	29	30,268	E50,100	266	38,173
August	31,095	37,345	28	30,113	E49,891	243	38,316
September	30,166	34,764	28	29,438	E48,500	251	35,797
October	31,594	39,274	25	30,213	E49,250	241	36,654
November	30,465	38,823	23	29,800	E48,905	213	35,522
December	30,556	41,860	23	29,631	E49,828	271	36,679
<b>Total</b>	<b>356,061</b>	<b>464,669</b>	<b>301</b>	<b>360,559</b>	<b>E605,384</b>	<b>3,343</b>	<b>450,801</b>
<b>2003</b>							
January	30,763	42,229	22	29,894	E52,096	236	36,158
February	28,063	38,442	21	27,119	E47,603	E200	32,308
March	E31,401	52,604	21	29,442	E50,830	E255	35,429
April	29,782	39,481	21	28,279	E47,634	E213	34,533
<b>2003 YTD</b>	<b>120,010</b>	<b>172,756</b>	<b>85</b>	<b>114,734</b>	<b>E198,164</b>	<b>E904</b>	<b>138,429</b>
<b>2002 YTD</b>	<b>114,970</b>	<b>163,301</b>	<b>99</b>	<b>120,239</b>	<b>E207,268</b>	<b>1,274</b>	<b>152,061</b>
<b>2001 YTD</b>	<b>116,338</b>	<b>164,818</b>	<b>122</b>	<b>119,081</b>	<b>253,226</b>	<b>2,092</b>	<b>164,156</b>

See footnotes at end of table.

**Table 7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico,****1997-2003**

(Million Cubic Feet) — Continued

Year and Month	Louisiana	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
<b>1997 Total</b>	<b>1,505,014</b>	<b>305,950</b>	<b>107,300</b>	<b>52,437</b>	<b>1,558,633</b>	<b>52,401</b>	<b>1,703,888</b>
<b>1998 Total</b>	<b>1,551,979</b>	<b>278,076</b>	<b>108,068</b>	<b>57,645</b>	<b>1,501,098</b>	<b>53,185</b>	<b>1,669,367</b>
<b>1999 Total</b>	<b>1,566,916</b>	<b>277,364</b>	<b>111,021</b>	<b>61,163</b>	<b>1,511,671</b>	<b>52,862</b>	<b>1,594,002</b>
<b>2000 Total</b>	<b>1,455,014</b>	<b>296,556</b>	<b>88,558</b>	<b>69,936</b>	<b>1,695,295</b>	<b>52,426</b>	<b>1,612,890</b>
<b>2001</b>							
January	124,371	27,356	8,958	6,988	143,955	4,517	133,934
February	115,943	13,501	7,749	6,379	131,899	4,014	122,434
March	137,930	29,663	8,398	6,996	144,915	4,548	138,604
April	125,073	20,073	9,892	6,538	140,422	4,566	136,210
May	129,537	35,940	10,332	6,767	143,332	4,825	145,606
June	123,492	17,781	8,440	6,252	134,107	4,357	135,712
July	127,806	19,992	9,313	6,856	143,117	4,649	136,425
August	127,732	26,811	9,494	6,785	144,951	4,753	138,939
September	121,068	14,352	8,341	6,655	138,332	4,501	133,915
October	124,105	29,330	9,074	7,027	142,921	4,581	137,551
November	121,862	24,137	8,353	6,690	138,713	4,648	121,359
December	123,904	16,099	9,196	7,465	142,462	4,773	134,696
<b>Total</b>	<b>1,502,825</b>	<b>275,036</b>	<b>107,541</b>	<b>81,397</b>	<b>1,689,125</b>	<b>54,732</b>	<b>1,615,384</b>
<b>2002</b>							
January	€130,293	34,593	9,510	7,569	137,980	4,763	€135,659
February	€117,759	13,357	8,688	6,715	124,271	4,263	€123,144
March	€131,632	31,113	9,016	7,131	137,618	4,712	€137,542
April	€127,233	17,564	8,706	6,993	129,207	4,617	€132,944
May	€131,815	29,128	9,321	6,969	133,492	4,910	€137,734
June	€127,281	17,707	9,065	6,641	128,333	4,628	€134,508
July	€130,232	34,483	9,067	6,746	134,156	4,766	€137,627
August	€130,449	13,999	9,443	6,697	134,938	4,865	€137,856
September	€125,736	18,812	10,110	7,033	130,590	5,270	€132,878
October	€130,200	29,817	10,172	7,192	128,319	4,852	€138,353
November	€126,707	16,082	9,464	7,154	131,131	4,627	€134,640
December	€128,432	18,708	10,250	7,442	129,093	4,726	€140,267
<b>Total</b>	<b>€1,537,769</b>	<b>275,363</b>	<b>112,812</b>	<b>84,282</b>	<b>1,579,130</b>	<b>56,999</b>	<b>€1,623,152</b>
<b>2003</b>							
January	€126,977	€30,488	10,990	6,902	129,805	4,607	€141,591
February	€114,716	€15,229	9,530	6,546	118,977	4,132	€128,156
March	€126,515	€22,663	10,566	7,116	133,383	4,557	€140,777
April	117,892	15,026	10,924	6,817	126,853	4,311	134,043
<b>2003 YTD</b>	<b>€486,100</b>	<b>83,405</b>	<b>42,010</b>	<b>27,382</b>	<b>509,019</b>	<b>17,606</b>	<b>€544,567</b>
<b>2002 YTD</b>	<b>€506,917</b>	<b>96,627</b>	<b>35,920</b>	<b>28,408</b>	<b>529,076</b>	<b>18,356</b>	<b>€529,289</b>
<b>2001 YTD</b>	<b>503,318</b>	<b>90,594</b>	<b>34,998</b>	<b>26,901</b>	<b>561,192</b>	<b>17,645</b>	<b>531,181</b>

See footnotes at end of table.

**Table 7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico,****1997-2003**

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas	Utah	Wyoming	Other <sup>a</sup> States	Federal Gulf of Mexico	U.S. Total
<b>1997 Total</b>	<b>1,173</b>	<b>5,167,334</b>	<b>257,139</b>	<b>738,368</b>	<b>736,679</b>	<b>5,206,023</b>	<b>19,866,093</b>
<b>1998 Total</b>	<b>1,067</b>	<b>5,227,477</b>	<b>277,340</b>	<b>903,836</b>	<b>775,235</b>	<b>5,076,496</b>	<b>19,961,348</b>
<b>1999 Total</b>	<b>1,291</b>	<b>5,054,486</b>	<b>262,614</b>	<b>971,230</b>	<b>800,579</b>	<b>5,029,704</b>	<b>19,804,848</b>
<b>2000 Total</b>	<b>1,214</b>	<b>5,282,104</b>	<b>269,285</b>	<b>1,088,328</b>	<b>866,902</b>	<b>4,934,387</b>	<b>20,197,511</b>
<b>2001</b>							
January	113	453,761	24,309	115,164	74,256	429,097	1,766,240
February	108	405,927	22,368	102,340	69,441	393,225	1,588,190
March	116	452,870	24,876	117,096	75,503	444,720	1,797,070
April	102	437,448	24,381	111,892	68,266	423,729	1,705,270
May	97	454,780	24,261	111,550	70,562	427,550	1,762,339
June	89	447,818	23,502	110,206	70,260	424,375	1,703,182
July	93	451,766	22,972	113,632	68,704	427,025	1,730,477
August	89	456,137	22,826	113,800	71,233	422,735	1,741,997
September	80	443,384	22,649	114,681	69,916	408,368	1,679,177
October	80	463,530	23,854	121,347	75,235	420,719	1,755,393
November	68	440,679	23,337	116,972	69,974	406,663	1,676,363
December	76	452,048	24,578	115,198	78,142	417,151	1,724,715
<b>Total</b>	<b>1,110</b>	<b>5,360,148</b>	<b>283,913</b>	<b>1,363,879</b>	<b>861,493</b>	<b>5,045,357</b>	<b>20,630,412</b>
<b>2002</b>							
January	75	£442,832	24,544	117,851	£79,940	£375,638	£1,698,291
February	69	£393,418	22,492	109,212	£73,835	£338,819	£1,516,890
March	71	£442,965	24,655	118,039	£78,423	£386,080	£1,703,826
April	74	£429,360	23,114	115,733	£74,107	£377,724	£1,633,870
May	73	£448,105	23,968	120,648	£73,343	£399,564	£1,706,306
June	73	£437,640	22,596	116,345	£74,616	£399,273	£1,662,741
July	93	£449,035	23,215	120,006	£73,137	£412,913	£1,720,288
August	68	£448,785	23,713	114,873	£74,714	£415,006	£1,702,437
September	80	£423,542	22,197	117,216	£74,451	£339,167	£1,586,025
October	70	£450,709	23,940	124,690	£79,703	£313,546	£1,628,816
November	65	£438,289	23,622	128,412	£76,485	£405,000	£1,685,430
December	165	£447,127	24,092	133,666	£82,300	£408,871	£1,723,987
<b>Total</b>	<b>978</b>	<b>£5,251,807</b>	<b>282,147</b>	<b>1,436,692</b>	<b>£915,055</b>	<b>£4,571,601</b>	<b>£19,968,906</b>
<b>2003</b>							
January	£168	£447,039	23,759	132,380	£83,288	£408,739	£1,738,131
February	£152	£405,902	21,511	138,941	£78,139	£360,164	£1,575,851
March	£157	£448,607	23,993	153,056	£83,107	£412,455	£1,766,936
April	£148	425,355	22,719	149,741	£78,547	402,281	£1,674,600
<b>2003 YTD</b>	<b>£624</b>	<b>£1,726,903</b>	<b>91,982</b>	<b>574,118</b>	<b>£323,081</b>	<b>£1,583,639</b>	<b>£6,755,518</b>
<b>2002 YTD</b>	<b>290</b>	<b>£1,708,575</b>	<b>94,804</b>	<b>460,835</b>	<b>£306,305</b>	<b>£1,478,261</b>	<b>£6,552,876</b>
<b>2001 YTD</b>	<b>438</b>	<b>1,750,006</b>	<b>95,934</b>	<b>446,493</b>	<b>287,467</b>	<b>1,690,771</b>	<b>6,856,769</b>

<sup>a</sup> Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia, and West Virginia. The 2002 and later data monthly values for these States are estimated.

<sup>R</sup> Revised Data.<sup>E</sup> Estimated Data.<sup>RE</sup> Revised Estimated Data.**Notes:** Data for 1997 through 2001 are final. All other data are preliminary

unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 2 for discussion of computation procedures and revision policy.

**Sources:** 1997-2001: Energy Information Administration (EIA), *Natural Gas Annual 2001* and Minerals Management Service reports. January 2002 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8

**Table 8. Gross Withdrawals and Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, April 2003**  
(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydro-carbon Gases Removed <sup>a</sup>	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama .....	31,181	434	31,615	345	1,381	108	29,782
Alaska .....	16,987	278,204	295,192	255,158	0	552	39,481
Arizona .....	21	0	21	0	0	0	21
California .....	8,038	22,604	30,642	1,933	289	141	28,279
Colorado .....	€41,432	€6,745	€48,177	€482	0	€60	€47,634
Florida .....	€0	€241	€241	0	€28	0	€213
Kansas .....	34,626	0	34,626	59	0	35	34,533
Louisiana .....	€101,103	€18,613	€119,716	€1,007	0	€817	117,892
Michigan .....	12,229	3,057	15,286	108	0	153	15,026
Mississippi .....	12,412	401	12,813	508	1,104	277	10,924
Montana .....	6,229	617	6,846	0	0	29	6,817
New Mexico .....	110,587	17,129	127,716	697	0	167	126,853
North Dakota .....	1,117	3,380	4,496	0	10	175	4,311
Oklahoma .....	€121,178	€12,865	€134,043	0	0	0	134,043
Oregon .....	€148	0	€148	0	0	0	€148
Texas .....	€381,473	€92,305	€473,778	€35,686	€10,765	€1,971	425,355
Utah .....	21,053	2,573	23,626	1	0	905	22,719
Wyoming .....	163,016	18,625	181,641	11,189	19,349	1,362	149,741
Other States .....	€76,779	€2,417	€79,195	0	€486	€162	€78,547
Federal Gulf of Mexico .....	€402,281	0	€402,281	0	0	0	402,281
<b>Total</b> .....	<b>€1,541,890</b>	<b>€480,209</b>	<b>€2,022,099</b>	<b>€307,171</b>	<b>€33,413</b>	<b>€6,915</b>	<b>€1,674,600</b>

<sup>a</sup> See Appendix A, Explanatory Note 2, for a discussion of data on Nonhydrocarbon Gases Removed.

<sup>e</sup> Estimated Data.

**Notes:** All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components

because of independent rounding. See Appendix A, Explanatory Notes 1 and 2 for discussion of computation procedures and revision policy.

**Source:** Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" and EIA estimates.

Table 9

**Table 9. Underground Natural Gas Storage - All Operators, 1997-2003**

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total <sup>b</sup>	Volume	Percent	Injections	Withdrawals	Net Withdrawals <sup>c</sup>
1997 Total <sup>a</sup> .....	—	—	—	—	—	2,800	2,824	24
1998 Total <sup>a</sup> .....	—	—	—	—	—	2,905	2,379	-526
1999 Total <sup>a</sup> .....	—	—	—	—	—	2,598	2,772	174
2000 Total <sup>a</sup> .....	—	—	—	—	—	2,684	3,498	814
<b>2001</b>								
January .....	4,344	1,265	5,609	-495	-28.1	92	588	496
February .....	4,328	912	5,241	-391	-30.0	74	414	339
March .....	4,300	742	5,042	-412	-35.7	116	298	183
April .....	4,261	992	5,253	-210	-17.5	349	70	-279
May .....	4,309	1,440	5,749	7	0.5	520	41	-479
June .....	4,310	1,882	6,193	165	9.6	490	49	-441
July .....	4,315	2,261	6,576	258	12.9	451	66	-385
August .....	4,313	2,576	6,889	377	17.1	386	79	-307
September .....	4,318	2,944	7,262	450	18.0	413	41	-372
October .....	4,310	3,144	7,454	412	15.1	282	93	-190
November .....	4,301	3,254	7,555	812	33.2	210	138	-73
December .....	4,301	2,904	7,204	1,185	68.9	80	432	352
<b>Total</b> .....	—	—	—	—	—	<b>3,464</b>	<b>2,309</b>	<b>-1,156</b>
<b>2002</b>								
January .....	4,313	2,344	6,657	1,078	85.2	59	605	546
February .....	4,356	1,838	6,194	925	101.4	55	517	462
March .....	4,355	1,518	5,873	776	104.7	105	425	320
April .....	4,355	1,659	6,014	666	67.1	237	111	-126
May .....	4,361	1,968	6,329	528	36.7	381	58	-323
June .....	4,355	2,308	6,663	426	22.6	395	56	-339
July .....	4,358	2,539	6,896	278	12.3	341	101	-239
August .....	4,357	2,773	7,130	198	7.7	322	89	-234
September .....	4,342	3,042	7,384	97	3.3	364	72	-292
October .....	4,342	3,116	7,458	-28	-0.9	229	145	-84
November .....	4,344	2,929	7,273	-325	-10.0	124	322	198
December .....	4,340	2,375	6,715	-528	-18.2	66	624	558
<b>Total</b> .....	—	—	—	—	—	<b>2,679</b>	<b>3,126</b>	<b>447</b>
<b>2003</b>								
January .....	4,342	1,534	5,876	-810	-34.5	44	886	841
February .....	4,334	864	5,198	-974	-53.0	48	723	676
March .....	4,324	<sup>R</sup> 730	<sup>R</sup> 5,054	<sup>R</sup> 788	<sup>R</sup> 51.9	169	<sup>R</sup> 305	<sup>R</sup> 136
April .....	4,315	<sup>R</sup> 896	<sup>R</sup> 5,211	<sup>R</sup> 763	<sup>R</sup> 46.0	<sup>R</sup> 277	118	<sup>R</sup> 158
May .....	4,322	<sup>R</sup> 1,300	<sup>R</sup> 5,622	<sup>R</sup> 668	<sup>R</sup> 33.9	453	41	-412
June .....	4,323	1,768	6,091	-540	-23.4	506	36	-470

<sup>a</sup> Total as of December 31.<sup>b</sup> Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; 2000 - 8,241; and 2001 - 8,415.<sup>c</sup> Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.<sup>R</sup> Revised Data.

— Not Applicable.

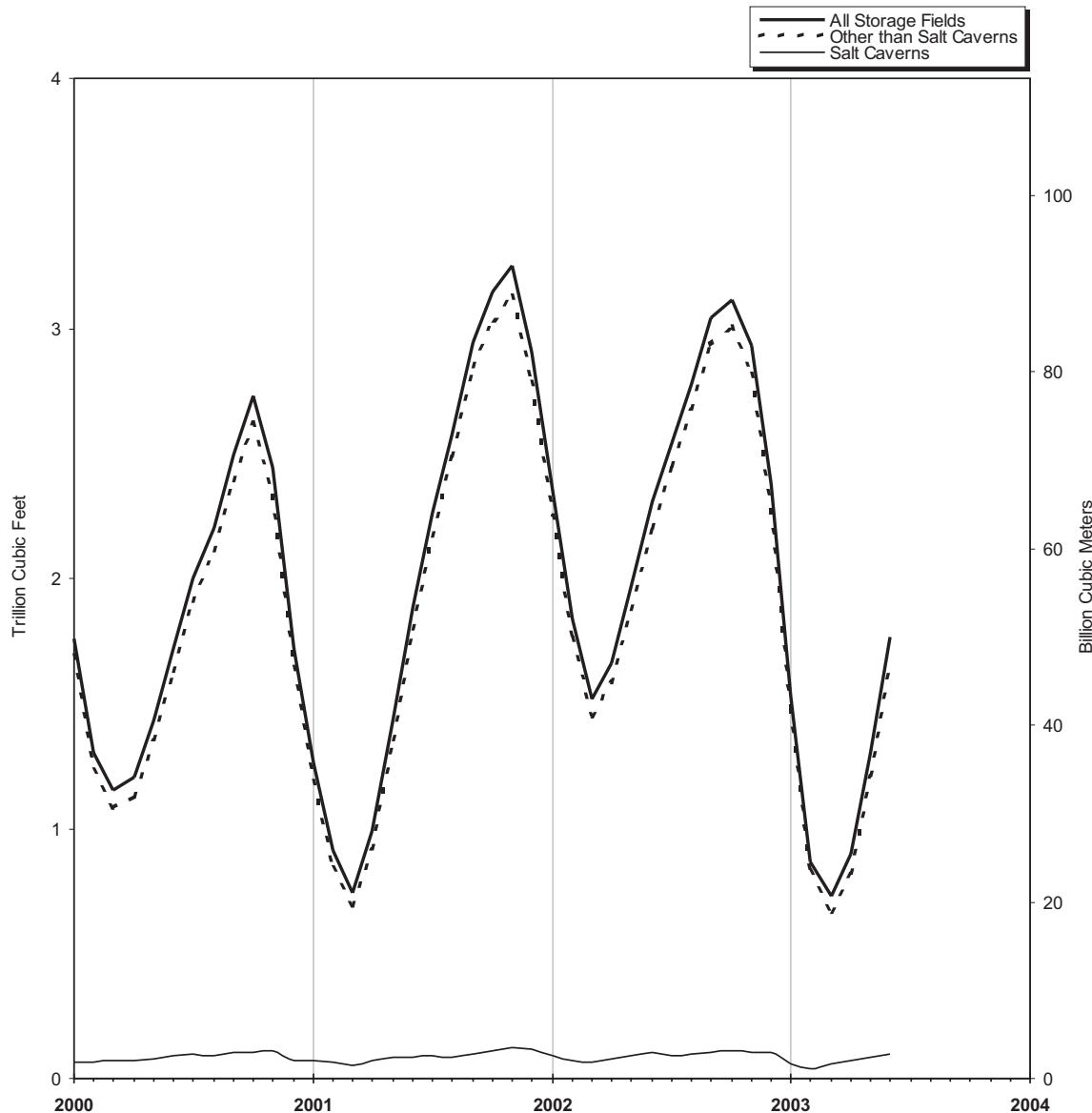
**Notes:** Data for 1997 through 2001 are final. All other data are

preliminary unless otherwise noted. See Explanatory Note 6 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

## Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 2000-2003



Sources: Tables 10, 11 and 12.

Table 10

**Table 10. Underground Natural Gas Storage - by Season, 2000-2003**  
(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals <sup>a</sup>
<b>October 2000 .....</b>	4,360	2,732	7,092	-345	-11.1	329	88	-241
<b>2000-2001 Heating Season</b>								
November .....	4,361	2,442	6,803	-628	-20.3	108	396	288
December .....	4,352	1,719	6,071	-806	-31.9	66	785	720
January .....	4,344	1,265	5,609	-495	-28.1	92	588	496
February .....	4,328	912	5,241	-391	-30.0	74	414	339
March .....	4,300	742	5,042	-412	-35.7	116	298	183
<b>Total .....</b>	—	—	—	—	—	<b>455</b>	<b>2,481</b>	<b>2,026</b>
<b>2001 Refill Season</b>								
April .....	4,261	992	5,253	-210	-17.5	349	70	-279
May .....	4,309	1,440	5,749	7	0.5	520	41	-479
June .....	4,310	1,882	6,193	165	9.6	490	49	-441
July .....	4,315	2,261	6,576	258	12.9	451	66	-385
August .....	4,313	2,576	6,889	377	17.1	386	79	-307
September .....	4,318	2,944	7,262	450	18.0	413	41	-372
October .....	4,310	3,144	7,454	412	15.1	282	93	-190
<b>Total .....</b>	—	—	—	—	—	<b>2,892</b>	<b>439</b>	<b>-2,453</b>
<b>2001-2002 Heating Season</b>								
November .....	4,301	3,254	7,555	812	33.2	210	138	-73
December .....	4,301	2,904	7,204	1,185	68.9	80	432	352
January .....	4,313	2,344	6,657	1,078	85.2	59	605	546
February .....	4,356	1,838	6,194	925	101.4	55	517	462
March .....	4,355	1,518	5,873	776	104.7	105	425	320
<b>Total .....</b>	—	—	—	—	—	<b>510</b>	<b>2,117</b>	<b>1,607</b>
<b>2002 Refill Season</b>								
April .....	4,355	1,659	6,014	666	67.1	237	111	-126
May .....	4,361	1,968	6,329	528	36.7	381	58	-323
June .....	4,355	2,308	6,663	426	22.6	395	56	-339
July .....	4,358	2,539	6,896	278	12.3	341	101	-239
August .....	4,357	2,773	7,130	198	7.7	322	89	-234
September .....	4,342	3,042	7,384	97	3.3	364	72	-292
October .....	4,342	3,116	7,458	-28	-0.9	229	145	-84
<b>Total .....</b>	—	—	—	—	—	<b>2,269</b>	<b>633</b>	<b>-1,636</b>
<b>2002-2003 Heating Season</b>								
November .....	4,344	2,929	7,273	-325	-10.0	124	322	198
December .....	4,340	2,375	6,715	-528	-18.2	66	624	558
January .....	4,342	1,534	5,876	-810	-34.5	44	886	841
February .....	4,334	864	5,198	-974	-53.0	48	723	676
March .....	4,324	R730	R5,054	R-788	R-51.9	169	R305	R136
<b>Total .....</b>	—	—	—	—	—	<b>451</b>	<b>R2,859</b>	<b>R2,408</b>
<b>2003 Refill Season</b>								
April .....	4,315	R896	R5,211	R-763	R-46.0	R277	118	R-158
May .....	4,322	R1,300	R5,622	R-668	R-33.9	453	41	-412
June .....	4,323	1,768	6,091	-540	-23.4	506	36	-470

<sup>a</sup> Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

R Revised Data.

— Not Applicable.

**Notes:** Data through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period

to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

# Table 11

**Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1997-2003**  
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
<b>1997 Total<sup>a</sup></b>	—	—	—	—	—	<b>267</b>	<b>274</b>	<b>6</b>
<b>1998 Total<sup>a</sup></b>	—	—	—	—	—	<b>297</b>	<b>275</b>	<b>-22</b>
<b>1999 Total<sup>a</sup></b>	—	—	—	—	—	<b>260</b>	<b>259</b>	<b>-1</b>
<b>2000 Total<sup>a</sup></b>	—	—	—	—	—	<b>296</b>	<b>320</b>	<b>24</b>
<b>2001</b>								
January .....	71	73	144	9	13.5	32	30	-2
February .....	69	67	136	1	1.1	19	24	5
March .....	69	53	122	-16	-23.6	20	35	15
April .....	69	71	140	-3	-4.4	32	15	-17
May .....	71	85	156	8	10.4	30	14	-15
June .....	71	85	155	-5	-5.1	26	26	0
July .....	71	89	160	-8	-8.4	30	27	-3
August .....	71	86	157	-2	-2.7	29	30	1
September .....	71	100	171	0	-0.3	35	19	-16
October .....	71	108	180	1	0.8	35	25	-10
November .....	77	123	200	13	11.6	35	21	-14
December .....	77	115	191	43	59.4	19	28	9
<b>Total</b> .....	—	—	—	—	—	<b>341</b>	<b>294</b>	<b>-47</b>
<b>2002</b>								
January .....	77	93	170	19	26.2	24	46	22
February .....	77	74	151	7	10.9	20	38	18
March .....	77	65	142	12	22.3	27	36	9
April .....	77	77	154	6	8.1	29	17	-12
May .....	77	93	171	8	9.7	35	19	-16
June .....	77	104	181	19	22.2	32	21	-10
July .....	80	91	171	2	2.7	29	36	7
August .....	80	96	176	10	11.3	32	27	-5
September .....	81	102	184	2	2.2	34	27	-7
October .....	82	108	190	0	0.1	38	31	-7
November .....	75	106	181	-18	-14.3	29	28	0
December .....	75	102	177	-13	-10.9	30	35	4
<b>Total</b> .....	—	—	—	—	—	<b>359</b>	<b>361</b>	<b>2</b>
<b>2003</b>								
January .....	76	56	133	-36	-39.1	21	65	43
February .....	76	38	114	-37	-49.3	25	42	18
March .....	75	57	132	-8	-11.7	39	21	-18
April .....	75	72	147	-5	-6.1	34	19	-14
May .....	75	87	162	-6	-6.7	35	20	-15
June .....	75	98	172	-6	-5.7	31	20	-11

<sup>a</sup> Total as of December 31.

— Not Applicable.

**Notes:** Data for 1997 through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

**Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1997-2003**  
 (Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
<b>1997 Total<sup>a</sup></b>	—	—	—	—	—	2,533	2,551	18
<b>1998 Total<sup>a</sup></b>	—	—	—	—	—	2,608	2,103	-504
<b>1999 Total<sup>a</sup></b>	—	—	—	—	—	2,338	2,512	175
<b>2000 Total<sup>a</sup></b>	—	—	—	—	—	2,388	3,178	790
<b>2001</b>								
January .....	4,273	1,192	5,465	-504	-29.7	60	558	498
February .....	4,259	846	5,105	-392	-31.5	55	389	334
March .....	4,232	688	4,920	-396	-36.3	96	264	168
April .....	4,192	921	5,113	-208	-17.0	317	55	-262
May .....	4,239	1,355	5,594	-1	0.4	490	26	-464
June .....	4,239	1,798	6,037	171	11.2	464	23	-441
July .....	4,245	2,172	6,417	266	14.4	421	39	-382
August .....	4,242	2,490	6,732	380	18.5	358	49	-308
September .....	4,247	2,844	7,091	450	19.9	378	22	-356
October .....	4,238	3,036	7,274	411	15.7	248	68	-180
November .....	4,224	3,131	7,354	799	34.3	176	117	-59
December .....	4,224	2,789	7,013	1,142	69.3	61	404	343
<b>Total .....</b>	—	—	—	—	—	3,123	2,015	-1,108
<b>2002</b>								
January .....	4,236	2,251	6,487	1,059	88.8	36	560	524
February .....	4,279	1,764	6,043	918	108.6	35	479	444
March .....	4,278	1,453	5,731	764	111.0	78	389	311
April .....	4,278	1,582	5,860	661	71.7	208	94	-114
May .....	4,284	1,875	6,159	520	38.4	346	39	-307
June .....	4,278	2,205	6,483	407	22.6	363	35	-328
July .....	4,278	2,448	6,725	275	12.7	312	65	-247
August .....	4,277	2,678	6,954	188	7.5	290	62	-228
September .....	4,261	2,939	7,201	95	3.3	330	45	-285
October .....	4,260	3,008	7,268	-28	-0.9	191	114	-77
November .....	4,269	2,823	7,092	-308	-9.8	95	293	198
December .....	4,265	2,273	6,539	-516	-18.5	36	590	554
<b>Total .....</b>	—	—	—	—	—	2,320	2,765	445
<b>2003</b>								
January .....	4,265	1,478	5,743	-773	-34.3	23	821	798
February .....	4,258	826	5,084	-938	-53.2	23	681	658
March .....	4,249	<sup>b</sup> 673	<sup>b</sup> 4,922	<sup>b</sup> 780	<sup>b</sup> 53.7	130	<sup>b</sup> 284	<sup>b</sup> 154
April .....	<sup>b</sup> 4,240	<sup>b</sup> 824	<sup>b</sup> 5,064	<sup>b</sup> 758	<sup>b</sup> 47.9	<sup>b</sup> 243	99	<sup>b</sup> 144
May .....	<sup>b</sup> 4,247	<sup>b</sup> 1,213	<sup>b</sup> 5,461	<sup>b</sup> 662	<sup>b</sup> 35.3	418	21	-397
June .....	4,248	1,671	5,919	-534	-24.2	474	15	-459

<sup>a</sup> Total as of December 31.

<sup>b</sup> Revised Data.

— Not Applicable.

**Notes:** Data for 1997 through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the

quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

# Table 13

**Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003**

(Volumes in Million Cubic Feet)

State	2003					
	June	May	April	March	February	January
Alabama .....	-742	-990	-797	-456	-420	1,789
Arkansas .....	-741	-632	-209	341	1,409	1,836
California .....	-30,296	-27,859	-13,402	R12,130	49,464	33,248
Colorado .....	-4,683	638	773	2,924	8,432	4,213
Illinois .....	-32,673	-29,399	-8,980	11,028	50,338	70,407
Indiana .....	-3,017	-1,609	158	1,946	5,301	7,519
Iowa .....	-5,103	-3,694	-80	4,895	13,459	21,778
Kansas .....	-18,311	-11,018	-521	-4,997	20,396	25,657
Kentucky .....	-13,017	-9,916	-2,675	3,213	17,123	21,305
Louisiana .....	-33,846	-28,994	-11,766	7,692	55,201	66,838
Maryland .....	-2,816	-2,534	-750	-124	4,003	4,738
Michigan .....	-84,460	-71,124	-20,439	42,692	128,637	157,642
Minnesota .....	-309	0	0	199	504	659
Mississippi .....	-8,962	-8,651	-1,746	-8,327	7,791	16,204
Missouri .....	27	-1,524	445	170	555	1,218
Montana .....	-1,720	-1,041	-179	3,666	4,732	4,353
Nebraska .....	-1,004	-537	-248	504	1,512	1,170
New Mexico .....	-605	45	-471	184	1,728	424
New York .....	-13,110	R-9,786	R-4,999	R6,003	17,730	22,151
Ohio .....	-31,526	-31,723	-9,789	10,463	43,314	62,002
Oklahoma .....	-24,846	-23,041	-9,198	13,335	32,780	38,560
Oregon .....	-3,529	-113	1,174	2,426	2,367	2,570
Pennsylvania .....	-61,273	R-69,939	-15,724	R8,917	77,271	119,623
Tennessee .....	0	-35	0	68	110	62
Texas .....	-45,027	-34,335	-32,473	5,851	72,434	77,260
Utah .....	-4,308	-4,476	-7,759	1,240	8,305	7,036
Virginia .....	-475	-447	-268	179	496	978
Washington .....	-2,415	-4,927	-412	-624	7,520	3,221
West Virginia .....	-38,730	-32,162	-16,008	5,161	37,668	61,978
Wyoming .....	-2,139	-2,151	-2,118	4,899	5,576	4,741
<b>AGA Regions</b>						
Producing .....	-133,079	-107,616	-57,180	13,624	191,320	228,568
Eastern Consuming .....	-287,177	R-264,428	R-79,357	R95,115	397,516	552,572
Western Consuming .....	-49,399	-39,930	-21,924	R26,859	86,900	60,042
<b>Total</b> .....	<b>-469,656</b>	<b>R-411,974</b>	<b>R-158,461</b>	<b>R135,599</b>	<b>675,736</b>	<b>841,183</b>

See footnotes at end of table.

Table 13

**Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003**

(Volumes in Million Cubic Feet) — Continued

State	2002						
	Total	December	November	October	September	August	July
Alabama .....	-560	142	-396	-128	-64	-97	-250
Arkansas .....	369	870	164	-19	-393	-390	-340
California .....	15,006	42,090	-3,132	-8,108	-4,707	300	-7,074
Colorado .....	1,136	2,050	-216	860	-4,010	-6,603	-3,949
Illinois .....	18,753	52,256	19,257	-29,678	-38,523	-36,355	-28,449
Indiana .....	1,502	3,787	-35	-2,819	-3,096	-2,706	-3,524
Iowa .....	4,260	19,193	-3,202	-12,941	-12,563	-12,477	-12,189
Kansas .....	18,212	15,396	10,896	2,224	-11,061	-9,211	-2,974
Kentucky .....	9,663	9,187	4,857	-1,870	-6,208	-5,606	-4,142
Louisiana .....	35,910	33,271	30,071	-6,114	-37,513	-13,157	-6,555
Maryland .....	-701	416	80	143	44	-2,104	-2,618
Michigan .....	100,037	97,960	46,438	-12,987	-49,663	-54,020	-51,389
Minnesota .....	4	6	-85	-198	-299	-288	-276
Mississippi .....	2,987	3,567	-381	1,973	89	-4,789	-2,822
Missouri .....	-413	-118	-272	-294	-781	-1,096	18
Montana .....	-5,924	3,473	1,917	69	-4,292	-5,185	-6,590
Nebraska .....	1,104	762	55	0	-922	-705	238
New Mexico .....	8,646	1,915	1,324	706	-486	755	366
New York .....	12,907	15,589	3,803	-1,638	-5,554	-5,554	-7,710
Ohio .....	27,849	46,655	17,321	-6,959	-22,382	-27,004	-30,971
Oklahoma .....	36,056	22,334	9,679	3,302	-6,868	2,172	-985
Oregon .....	-1,684	1,198	-918	-503	-690	-2,120	-2,679
Pennsylvania .....	50,587	75,625	9,413	-4,996	-37,856	-24,677	-29,850
Tennessee .....	69	0	88	2	3	4	15
Texas .....	71,631	51,254	31,438	-9,965	-19,950	9,023	-142
Utah .....	-2,187	7,272	3,375	401	-3,633	-6,336	-6,807
Virginia .....	393	488	274	-222	-301	-146	-274
Washington .....	-362	1,092	-1,335	1,698	-1,487	-956	-620
West Virginia .....	43,394	44,494	14,592	3,632	-16,735	-20,483	-22,527
Wyoming .....	-1,250	5,800	2,629	291	-1,837	-3,702	-4,164
<b>AGA Regions</b>							
Producing .....	173,250	128,748	82,796	-8,020	-76,245	-15,694	-13,701
Eastern Consuming .....	269,404	366,294	112,668	-70,626	-194,538	-192,929	-193,372
Western Consuming .....	4,737	62,981	2,236	-5,490	-20,955	-24,891	-32,159
<b>Total</b> .....	<b>447,391</b>	<b>558,024</b>	<b>197,700</b>	<b>-84,135</b>	<b>-291,738</b>	<b>-233,514</b>	<b>-239,233</b>

See footnotes at end of table.

**Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003**

(Volumes in Million Cubic Feet) — Continued

State	2002						2001
	June	May	April	March	February	January	Total
Alabama .....	2	-100	-257	271	108	210	-1,499
Arkansas .....	-463	-504	-47	235	770	486	-2,874
California .....	-12,551	-20,711	-20,680	5,245	4,939	39,393	-64,674
Colorado .....	-3,290	700	-2,247	5,766	7,182	4,892	-7,080
Illinois .....	-37,470	-26,234	8,790	26,990	49,634	58,536	-25,587
Indiana .....	-2,988	-1,452	1,997	3,589	4,666	4,084	-5,910
Iowa .....	-4,981	-701	363	7,122	15,015	21,622	-21,435
Kansas .....	-11,587	-17,806	-6,721	12,651	17,130	19,274	-45,586
Kentucky .....	-7,907	-9,766	400	10,669	11,384	8,665	-38,209
Louisiana .....	-19,113	-33,062	-11,352	18,770	39,103	41,561	-150,239
Maryland .....	-2,504	-780	427	2,121	1,352	2,722	-5,307
Michigan .....	-58,362	-39,468	-10,433	74,426	73,014	84,521	-203,022
Minnesota .....	0	0	134	375	332	304	-713
Mississippi .....	-6,879	-8,184	-1,528	4,016	8,337	9,588	-20,286
Missouri .....	13	10	215	1,089	825	-24	-799
Montana .....	-3,915	-1,879	707	3,605	2,765	3,400	-9,198
Nebraska .....	-601	-1,036	-261	1,628	679	1,267	-2,349
New Mexico .....	1,211	-1,304	87	1,131	1,655	1,285	-9,425
New York .....	-11,015	-6,751	-1,459	7,783	10,978	14,435	-17,144
Ohio .....	-32,067	-25,799	-9,911	33,060	44,426	41,480	-62,723
Oklahoma .....	-13,006	-25,468	-13,141	13,099	20,976	23,962	-87,215
Oregon .....	-3,182	491	1,648	2,859	787	1,424	-2,619
Pennsylvania .....	-49,766	-41,830	-16,389	46,264	62,974	61,675	-93,763
Tennessee .....	2	7	0	-1	-1	-50	-337
Texas .....	-14,881	-23,862	-25,965	10,269	27,590	36,821	-172,746
Utah .....	-7,112	-7,913	-3,510	2,811	7,407	11,857	-12,738
Virginia .....	-289	-537	-160	383	677	500	-1,341
Washington .....	-2,918	-4,057	-3,810	849	4,145	7,037	-2,821
West Virginia .....	-29,037	-22,101	-10,731	20,896	39,632	41,761	-79,233
Wyoming .....	-3,920	-2,877	-2,081	2,175	3,197	3,239	-8,701
<b>AGA Regions</b>							
Producing .....	-64,716	-110,290	-58,923	60,442	115,667	133,186	-489,871
Eastern Consuming .....	-236,972	-176,437	-37,154	236,020	315,254	341,195	-557,160
Western Consuming .....	-36,888	-36,245	-29,838	23,685	30,755	71,547	-108,544
<b>Total</b> .....	<b>-338,575</b>	<b>-322,972</b>	<b>-125,916</b>	<b>320,146</b>	<b>461,676</b>	<b>545,928</b>	<b>-1,155,575</b>

See footnotes at end of table.

**Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003**

(Volumes in Million Cubic Feet) — Continued

State	2001						
	December	November	October	September	August	July	June
Alabama .....	-14	-522	-293	-366	-113	-154	-576
Arkansas .....	513	-87	-338	-579	-505	-740	-879
California .....	25,035	616	-14,716	-9,559	-11,195	-21,278	-29,695
Colorado .....	1,520	-106	706	-5,115	-4,593	-4,214	-4,099
Illinois .....	46,435	-726	-25,879	-33,020	-23,439	-20,310	-25,516
Indiana .....	3,832	-2,310	-4,094	-4,087	-2,954	-3,719	-3,189
Iowa .....	17,655	-3,054	-11,915	-13,993	-13,804	-10,345	-6,250
Kansas .....	12,165	-4,343	-1,160	-17,194	-7,456	-6,314	-13,667
Kentucky .....	6,123	-52	-5,254	-9,115	-6,489	-10,109	-13,052
Louisiana .....	23,713	-20,241	-11,123	-34,949	-13,447	-28,898	-42,731
Maryland .....	1,508	-71	-1,349	-1,221	409	-2,644	-3,170
Michigan .....	65,526	-8,403	-41,694	-75,897	-79,599	-87,304	-81,678
Minnesota .....	3	-135	-174	-232	-266	-329	-319
Mississippi .....	4,212	-2,502	1,082	-4,069	-1,981	-5,353	-6,263
Missouri .....	266	-255	-247	-348	-589	13	-1,063
Montana .....	3,874	496	-1,576	-4,853	-4,966	-5,524	-4,034
Nebraska .....	831	-45	-361	-1,250	-364	-339	-956
New Mexico .....	651	-1,107	-206	-932	6	83	-430
New York .....	8,569	-1,338	-3,375	-6,342	-6,260	-10,236	-11,216
Ohio .....	30,969	2,925	-9,862	-26,448	-32,365	-37,999	-32,405
Oklahoma .....	11,048	-2,691	-3,992	-17,988	-8,939	-13,729	-28,981
Oregon .....	1,572	-766	0	-845	-1,860	-2,295	-2,561
Pennsylvania .....	48,276	-9,610	-18,104	-39,316	-25,643	-51,167	-55,953
Tennessee .....	1	-30	-100	-62	-47	-63	-31
Texas .....	-55	-15,137	-21,142	-28,804	-23,960	-20,644	-34,494
Utah .....	9,554	3,157	-291	-7,384	-5,941	-7,179	-6,356
Virginia .....	277	-27	-32	-271	-322	-244	-402
Washington .....	-102	145	1,030	-1,450	-1,343	372	-200
West Virginia .....	25,054	-5,366	-12,943	-22,526	-25,976	-31,342	-28,873
Wyoming .....	2,853	-1,031	-2,112	-3,717	-3,169	-2,899	-1,812
<b>AGA Regions</b>							
Producing .....	52,233	-46,629	-37,173	-104,882	-56,394	-75,749	-128,023
Eastern Consuming .....	255,322	-28,361	-135,210	-233,897	-217,442	-265,806	-263,754
Western Consuming .....	44,308	2,376	-17,133	-33,154	-33,334	-43,346	-49,075
<b>Total</b> .....	<b>351,862</b>	<b>-72,614</b>	<b>-189,516</b>	<b>-371,933</b>	<b>-307,170</b>	<b>-384,901</b>	<b>-440,851</b>

<sup>R</sup> Revised Data.

**Notes:** This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 2001 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The EIA publishes weekly estimates of working gas in underground storage by geographical regions developed by

the American Gas Association (AGA) when they published similar weekly estimates. The AGA Producing Region is Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, Alabama and Mississippi; the Eastern Consuming Region is all States east of the Mississippi River less Mississippi and Alabama, plus Iowa, Nebraska and Missouri; the Western Consuming Region is all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

**Source:** Form EIA-191, "Monthly Underground Gas Storage Report."

**Table 14. Activities of Underground Natural Gas Storage Operators, by State, June 2003**  
 (Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama .....	8,520	2,225	4,143	6,367	2,067	99.5	821	79
Arkansas .....	22,000	8,715	4,366	13,081	-1,897	-30.3	741	0
California .....	478,995	233,033	160,339	393,372	-41,998	-20.8	31,818	1,522
Colorado .....	101,055	47,601	20,614	68,215	-2,335	-10.2	4,814	131
Illinois .....	901,274	666,338	142,319	808,657	703	0.5	33,315	642
Indiana .....	111,467	79,234	17,022	96,256	-2,230	-11.6	3,070	53
Iowa .....	273,200	199,550	15,910	215,460	5,092	47.1	5,343	240
Kansas .....	299,474	178,663	55,783	234,445	-16,893	-23.2	18,593	282
Kentucky .....	220,597	139,776	42,700	182,476	-12,365	-22.5	13,171	154
Louisiana .....	587,116	269,685	136,380	406,065	-80,452	-37.1	40,887	7,042
Maryland .....	62,000	46,677	11,323	58,000	1,523	15.5	2,856	40
Michigan .....	1,075,261	443,536	236,019	679,555	-136,492	-36.6	84,789	329
Minnesota .....	7,000	4,840	1,016	5,856	7	0.7	309	0
Mississippi .....	144,787	80,375	47,679	128,054	556	1.2	11,211	2,249
Missouri .....	32,098	21,600	9,594	31,194	1,651	20.8	0	27
Montana .....	374,201	179,315	18,042	197,357	1,012	5.9	3,707	1,986
Nebraska .....	39,469	26,995	3,663	30,658	-824	-18.4	1,097	93
New Mexico .....	89,800	29,766	8,052	37,818	-2,338	-22.5	1,731	1,126
New York .....	190,157	98,856	47,482	146,338	-8,001	-14.4	13,273	163
Ohio .....	573,709	347,732	86,799	434,532	-23,127	-21.0	32,111	585
Oklahoma .....	389,947	208,088	73,612	281,700	-57,063	-43.7	25,403	557
Oregon .....	23,676	9,714	7,758	17,472	1,629	26.6	3,529	0
Pennsylvania .....	714,417	339,826	227,558	567,384	-51,324	-18.4	63,987	2,714
Tennessee .....	1,200	340	214	554	-408	-65.6	0	0
Texas .....	699,472	236,002	205,102	441,105	-95,438	-31.8	57,978	12,951
Utah .....	129,480	64,703	37,130	101,833	5,686	18.1	6,757	2,450
Virginia .....	5,100	2,387	1,582	3,969	-317	-16.7	504	30
Washington .....	38,969	19,745	14,131	33,876	-1,549	-9.9	2,580	165
West Virginia .....	509,836	272,960	112,584	385,543	-17,040	-13.1	38,942	212
Wyoming .....	115,069	64,730	19,330	84,060	-7,765	-28.7	2,170	31
<b>AGA Regions</b>								
Producing .....	2,241,115	1,013,518	535,117	1,548,635	-251,458	-32.0	157,365	24,286
Eastern Consuming .....	4,709,785	2,685,807	954,769	3,640,575	-243,158	-20.3	292,459	5,282
Western Consuming .....	1,268,444	623,681	278,361	902,042	-45,313	-14.0	55,684	6,285
<b>Total .....</b>	<b>8,219,345</b>	<b>4,323,006</b>	<b>1,768,246</b>	<b>6,091,252</b>	<b>-539,929</b>	<b>-23.4</b>	<b>505,508</b>	<b>35,852</b>

**Notes:** Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The EIA publishes weekly estimates of working gas in underground storage by geographical regions developed by the American Gas Association (AGA) when they published similar weekly estimates. The AGA Producing Region

is Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, Alabama and Mississippi; the Eastern Consuming Region is all States east of the Mississippi River less Mississippi and Alabama, plus Iowa, Nebraska and Missouri; the Western Consuming Region is all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

**Source:** Form EIA-191, "Monthly Underground Gas Storage Report."

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003**  
 (Million Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		
				May	April	March
Alabama .....	31,219	28,489	35,090	1,828	3,125	5,999
Alaska .....	8,227	8,751	7,695	932	1,328	2,046
Arizona .....	21,634	23,184	24,070	2,057	2,963	4,852
Arkansas .....	NA	25,567	23,147	1,480	NA	NA
California .....	253,354	279,418	288,979	35,696	45,497	50,395
Colorado .....	66,591	NA	81,128	5,586	8,598	14,554
Connecticut .....	29,423	NA	25,657	2,588	4,140	5,900
Delaware .....	7,234	5,737	6,587	529	955	1,548
District of Columbia .....	9,431	7,316	9,121	573	1,053	1,714
Florida .....	9,741	8,523	9,701	986	1,205	1,614
Georgia .....	74,297	66,433	72,585	4,659	7,233	12,040
Hawaii .....	246	238	232	48	47	49
Idaho .....	11,543	12,721	12,212	1,406	1,862	2,480
Illinois .....	291,044	267,688	260,051	17,469	35,326	59,657
Indiana .....	100,591	93,073	95,806	6,634	10,602	18,731
Iowa .....	NA	42,765	47,285	3,119	5,598	10,447
Kansas .....	NA	44,416	49,854	2,789	6,300	12,405
Kentucky .....	38,831	32,996	34,573	1,445	3,600	6,923
Louisiana .....	NA	32,126	31,030	2,209	2,950	NA
Maine .....	700	551	601	56	106	161
Maryland .....	56,397	42,290	50,114	3,877	6,758	11,517
Massachusetts .....	84,733	65,409	74,271	7,763	13,038	19,395
Michigan .....	248,691	217,916	224,490	20,811	34,648	55,639
Minnesota .....	83,610	76,006	77,717	5,547	10,137	18,108
Mississippi .....	NA	17,109	19,356	1,060	1,848	NA
Missouri .....	77,645	72,719	81,798	4,749	9,071	17,792
Montana .....	11,947	12,809	12,171	1,260	1,614	2,873
Nebraska .....	27,040	27,234	31,721	1,730	3,359	6,620
Nevada .....	19,127	19,396	19,053	2,114	2,960	4,059
New Hampshire .....	5,320	4,132	4,589	499	825	1,220
New Jersey .....	158,062	119,328	138,877	12,194	22,293	34,235
New Mexico .....	NA	21,119	24,534	1,623	NA	R4,566
New York .....	NA	226,408	245,895	26,800	43,761	63,978
North Carolina .....	43,908	35,235	39,046	2,625	4,944	8,559
North Dakota .....	7,042	6,722	6,087	462	825	1,663
Ohio .....	219,200	193,121	203,332	15,246	26,375	46,719
Oklahoma .....	43,260	44,056	45,917	2,937	5,291	10,481
Oregon .....	22,921	24,461	23,877	3,058	3,838	4,992
Pennsylvania .....	174,153	139,161	161,653	12,305	22,406	38,646
Rhode Island .....	13,699	11,675	12,482	1,418	2,137	3,246
South Carolina .....	20,571	17,553	19,920	1,170	2,249	4,206
South Dakota .....	8,053	7,679	7,717	585	1,040	1,870
Tennessee .....	50,934	45,875	48,547	2,251	4,337	10,462
Texas .....	NA	125,422	133,391	8,529	11,380	28,672
Utah .....	29,585	33,060	29,673	2,489	4,414	6,045
Vermont .....	2,088	1,701	1,873	188	332	483
Virginia .....	53,599	41,181	47,635	2,725	5,999	9,778
Washington .....	NA	45,845	43,130	5,102	7,061	9,371
West Virginia .....	NA	20,380	21,338	NA	NA	NA
Wisconsin .....	86,812	78,469	78,715	5,758	11,862	17,965
Wyoming .....	6,996	NA	6,530	497	1,113	1,488
<b>Total .....</b>	<b>3,177,036</b>	<b>2,874,995</b>	<b>3,050,854</b>	<b>250,900</b>	<b>415,500</b>	<b>R674,562</b>

See footnotes at end of table.

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2003		2002			
	February	January	Total	December	November	October
Alabama .....	9,811	10,454	44,311	7,294	2,750	1,166
Alaska .....	1,705	2,216	NA	2,144	1,448	1,255
Arizona .....	4,836	6,926	35,631	4,375	2,095	1,329
Arkansas .....	NA	NA	39,142	5,753	3,122	1,220
California .....	60,278	61,487	511,078	65,607	36,675	31,457
Colorado .....	19,901	17,952	NA	19,113	15,201	9,670
Connecticut .....	8,437	8,359	NA	6,576	4,382	1,797
Delaware .....	1,995	2,206	9,105	1,492	823	262
District of Columbia .....	2,677	3,415	14,055	2,737	1,801	895
Florida .....	2,867	3,069	15,220	1,928	938	749
Georgia .....	20,574	29,792	127,872	25,175	15,904	5,610
Hawaii .....	50	51	539	48	46	36
Idaho .....	2,765	3,030	20,380	2,740	2,149	866
Illinois .....	82,312	96,280	465,543	74,419	52,978	29,433
Indiana .....	29,190	35,434	155,738	26,877	15,529	7,634
Iowa .....	NA	13,968	71,486	11,126	7,625	3,960
Kansas .....	NA	16,114	71,002	10,617	7,335	2,418
Kentucky .....	12,058	14,805	60,304	12,830	7,056	3,069
Louisiana .....	NA	12,007	52,775	8,047	3,192	1,914
Maine .....	177	199	NA	169	103	66
Maryland .....	16,217	18,028	80,447	16,143	9,715	5,034
Massachusetts .....	23,246	21,290	NA	NA	10,449	4,432
Michigan .....	67,295	70,297	364,741	56,234	37,918	17,768
Minnesota .....	23,991	25,826	NA	20,302	15,925	10,147
Mississippi .....	NA	5,600	NA	4,052	NA	769
Missouri .....	23,460	22,573	115,721	17,994	10,955	4,087
Montana .....	2,978	3,222	21,605	2,831	2,262	1,453
Nebraska .....	7,468	7,863	43,033	6,219	4,217	1,698
Nevada .....	4,563	5,431	32,003	4,226	2,603	1,428
New Hampshire .....	1,433	1,342	6,978	1,071	665	279
New Jersey .....	43,657	45,683	208,910	36,647	21,943	10,021
New Mexico .....	5,031	6,018	33,183	4,850	2,661	1,138
New York .....	NA	71,105	375,601	54,155	33,846	15,993
North Carolina .....	13,197	14,583	58,973	10,941	6,327	2,060
North Dakota .....	1,970	2,122	NA	1,692	1,287	1,046
Ohio .....	62,676	68,185	324,416	53,474	31,831	16,314
Oklahoma .....	11,653	12,897	68,285	9,806	5,486	1,871
Oregon .....	5,064	5,968	38,866	5,167	3,424	1,436
Pennsylvania .....	49,505	51,289	237,640	40,690	24,408	11,310
Rhode Island .....	3,707	3,191	18,615	2,621	1,580	625
South Carolina .....	6,502	6,444	27,757	5,315	2,040	610
South Dakota .....	2,132	2,427	12,861	1,693	1,487	930
Tennessee .....	16,056	17,827	71,279	12,749	5,712	1,860
Texas .....	NA	45,416	NA	32,982	NA	9,325
Utah .....	8,463	8,174	58,895	8,257	6,702	4,475
Vermont .....	580	504	2,761	385	274	98
Virginia .....	15,915	19,182	77,001	15,315	9,465	4,325
Washington .....	NA	10,385	73,752	9,204	6,861	3,158
West Virginia .....	NA	NA	32,550	5,256	3,325	1,541
Wisconsin .....	23,499	27,729	136,129	20,800	15,669	9,616
Wyoming .....	1,754	2,145	NA	1,844	1,372	885
<b>Total .....</b>	<b>883,735</b>	<b>952,339</b>	<b>4,918,107</b>	<b>769,324</b>	<b>489,711</b>	<b>250,537</b>

See footnotes at end of table.

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2002					
	September	August	July	June	May	April
Alabama .....	1,075	1,067	1,094	1,376	1,606	3,315
Alaska .....	856	612	436	NA	989	1,453
Arizona .....	1,109	1,048	1,108	1,384	1,718	2,678
Arkansas .....	797	783	835	1,066	1,510	3,707
California .....	23,154	23,498	24,896	26,372	34,653	43,114
Colorado .....	3,487	2,491	2,556	2,635	5,094	NA
Connecticut .....	981	972	819	1,259	2,022	3,702
Delaware .....	171	162	191	265	460	909
District of Columbia .....	333	314	314	347	559	798
Florida .....	743	725	779	836	909	1,252
Georgia .....	3,679	3,598	3,707	3,766	4,895	5,842
Hawaii .....	44	42	45	41	44	49
Idaho .....	457	360	391	697	1,237	1,795
Illinois .....	10,088	9,170	9,527	12,241	23,423	42,614
Indiana .....	2,871	2,953	2,634	4,167	8,643	14,105
Iowa .....	1,417	1,408	1,322	1,864	3,521	6,509
Kansas .....	1,413	1,352	1,463	1,988	2,965	6,316
Kentucky .....	1,089	1,103	1,032	1,129	1,691	3,667
Louisiana .....	1,737	1,646	1,759	2,355	2,179	4,361
Maine .....	26	26	25	NA	49	88
Maryland .....	1,931	1,640	1,635	2,059	3,088	4,739
Massachusetts .....	2,706	2,334	3,231	4,519	6,854	10,259
Michigan .....	7,238	6,428	7,505	13,734	23,198	35,940
Minnesota .....	3,314	NA	2,998	3,474	7,835	10,885
Mississippi .....	683	682	717	920	1,019	2,147
Missouri .....	2,389	2,075	2,353	3,148	5,173	10,616
Montana .....	560	451	454	785	1,412	2,079
Nebraska .....	881	735	893	1,156	1,839	4,222
Nevada .....	1,081	940	1,033	1,296	1,753	2,405
New Hampshire .....	169	145	212	303	445	653
New Jersey .....	5,117	4,635	4,968	6,250	9,956	17,515
New Mexico .....	830	810	817	958	1,266	2,647
New York .....	9,721	9,188	11,004	15,286	25,760	38,069
North Carolina .....	1,045	889	1,019	1,456	1,771	4,110
North Dakota .....	282	NA	195	248	641	1,028
Ohio .....	6,057	6,084	7,578	9,957	16,819	29,556
Oklahoma .....	1,468	1,700	1,711	2,187	2,978	6,630
Oregon .....	931	840	993	1,613	2,776	3,851
Pennsylvania .....	5,155	4,465	5,177	7,274	12,211	22,201
Rhode Island .....	431	424	476	783	1,268	1,858
South Carolina .....	499	482	538	721	832	1,901
South Dakota .....	284	239	224	326	757	1,231
Tennessee .....	1,131	1,089	1,196	1,667	2,087	5,347
Texas .....	6,207	6,400	6,736	7,014	7,587	15,490
Utah .....	2,001	1,412	1,412	1,574	2,277	3,244
Vermont .....	63	58	64	119	182	312
Virginia .....	1,585	1,635	1,519	1,976	2,773	4,365
Washington .....	1,893	1,675	1,972	3,142	5,537	7,879
West Virginia .....	544	444	532	528	1,602	2,616
Wisconsin .....	2,875	2,656	2,587	3,458	7,853	11,317
Wyoming .....	396	183	NA	453	815	1,269
<b>Total .....</b>	<b>124,997</b>	<b>117,339</b>	<b>127,742</b>	<b>163,460</b>	<b>258,529</b>	<b>420,662</b>

See footnotes at end of table.

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2002			2001		
	March	February	January	Total	December	November
Alabama .....	7,033	7,640	8,895	49,229	4,469	3,074
Alaska .....	2,185	1,998	2,125	16,818	2,785	2,187
Arizona .....	4,531	6,659	7,599	37,049	5,338	1,845
Arkansas .....	6,174	6,960	7,216	37,202	5,759	3,407
California .....	58,010	64,134	79,507	512,695	64,425	39,037
Colorado .....	17,031	19,643	21,658	123,629	17,103	8,526
Connecticut .....	4,736	NA	6,197	40,599	5,369	3,574
Delaware .....	1,286	1,385	1,697	9,175	815	615
District of Columbia .....	1,648	1,988	2,324	12,947	1,231	865
Florida .....	1,954	1,893	2,516	15,547	1,199	983
Georgia .....	13,905	19,447	22,343	119,969	16,734	8,398
Hawaii .....	48	48	49	537	47	43
Idaho .....	2,797	3,442	3,450	19,118	2,827	1,601
Illinois .....	65,402	64,032	72,217	427,146	64,165	34,223
Indiana .....	21,786	21,741	26,798	147,338	18,881	11,475
Iowa .....	10,467	10,288	11,981	71,074	9,075	4,795
Kansas .....	10,662	11,197	13,277	70,182	8,412	3,836
Kentucky .....	8,162	9,346	10,130	56,947	9,578	5,135
Louisiana .....	7,700	8,585	9,300	49,003	5,802	3,326
Maine .....	134	138	141	954	132	61
Maryland .....	9,705	11,885	12,873	76,891	8,906	5,564
Massachusetts .....	14,639	16,360	17,297	106,636	9,272	7,038
Michigan .....	49,969	49,807	59,002	343,682	40,939	27,514
Minnesota .....	19,906	16,809	20,571	124,891	17,820	9,708
Mississippi .....	4,154	3,929	5,860	27,909	2,827	1,903
Missouri .....	16,977	18,792	21,161	116,188	13,263	6,977
Montana .....	3,207	2,799	3,313	20,147	2,952	1,842
Nebraska .....	6,223	6,220	8,729	46,663	4,352	4,791
Nevada .....	3,726	5,642	5,871	32,609	5,877	2,188
New Hampshire .....	934	1,053	1,047	6,812	735	490
New Jersey .....	27,256	30,266	34,336	209,834	23,936	15,915
New Mexico .....	4,947	6,135	6,124	36,577	4,986	1,993
New York .....	51,006	53,782	57,791	376,176	42,904	27,651
North Carolina .....	7,872	9,570	11,913	56,815	6,443	4,592
North Dakota .....	1,761	1,455	1,837	10,570	1,714	999
Ohio .....	45,239	47,494	54,013	308,522	37,245	23,529
Oklahoma .....	10,581	11,106	12,761	64,622	7,715	3,407
Oregon .....	5,257	6,096	6,480	38,271	5,274	3,342
Pennsylvania .....	31,731	33,339	39,679	238,849	26,948	17,515
Rhode Island .....	2,976	2,648	2,925	17,937	1,609	1,153
South Carolina .....	4,261	4,632	5,926	27,485	2,537	2,071
South Dakota .....	1,941	1,726	2,024	12,335	1,801	974
Tennessee .....	11,326	12,157	14,959	68,053	8,012	4,509
Texas .....	30,253	29,456	42,635	208,449	29,757	12,891
Utah .....	7,740	9,276	10,522	55,008	10,075	5,575
Vermont .....	346	441	419	2,719	270	203
Virginia .....	9,394	11,122	13,527	70,249	8,084	5,192
Washington .....	10,270	11,229	10,931	84,416	15,980	11,145
West Virginia .....	4,485	5,765	5,912	33,459	4,771	3,090
Wisconsin .....	20,423	17,975	20,900	125,277	17,762	9,205
Wyoming .....	NA	1,439	2,365	10,977	1,499	1,040
<b>Total .....</b>	<b>665,990</b>	<b>706,695</b>	<b>823,120</b>	<b>4,776,186</b>	<b>610,411</b>	<b>361,013</b>

R Revised Data.

NA Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia.  
 See Appendix A, Explanatory Note 7 for discussion of computations and

revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003**  
 (Million Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		
				May	April	March
Alabama .....	15,401	14,010	16,374	1,508	1,948	3,000
Alaska .....	8,558	NA	7,498	1,277	1,627	1,843
Arizona .....	15,936	16,941	16,260	2,429	2,802	3,373
Arkansas .....	NA	18,819	17,027	1,754	NA	NA
California .....	NA	116,619	118,529	20,332	22,009	24,905
Colorado .....	31,808	NA	41,939	2,807	4,526	7,272
Connecticut .....	21,804	NA	24,875	2,065	3,584	4,542
Delaware .....	NA	3,723	3,723	428	712	1,002
District of Columbia .....	9,547	8,902	9,845	1,027	1,499	2,017
Florida .....	25,010	23,746	23,509	4,337	4,585	4,948
Georgia .....	28,542	27,682	28,508	2,302	3,540	4,810
Hawaii .....	744	703	754	143	144	146
Idaho .....	6,866	9,285	8,282	840	1,104	1,472
Illinois .....	120,992	114,613	111,106	9,073	15,427	25,986
Indiana .....	53,051	45,747	48,225	3,951	5,541	10,132
Iowa .....	NA	26,205	28,812	2,012	3,735	6,519
Kansas .....	23,823	22,597	24,870	1,671	2,959	5,701
Kentucky .....	24,793	20,947	21,777	1,533	3,059	5,293
Louisiana .....	NA	11,382	15,657	1,073	1,530	NA
Maine .....	2,354	NA	1,629	205	414	560
Maryland .....	37,455	31,695	32,926	3,923	5,810	7,302
Massachusetts .....	41,186	41,587	38,095	4,208	7,411	8,147
Michigan .....	117,012	99,740	109,642	10,197	17,590	26,544
Minnesota .....	59,508	NA	56,750	5,358	7,975	12,326
Mississippi .....	NA	11,349	12,490	1,194	1,498	NA
Missouri .....	39,764	38,505	42,281	3,061	4,875	9,142
Montana .....	8,007	8,661	7,979	930	1,220	1,943
Nebraska .....	17,123	16,690	17,490	1,582	2,476	4,077
Nevada .....	11,406	11,917	11,569	1,725	1,997	2,376
New Hampshire .....	NA	5,259	5,070	601	949	1,367
New Jersey .....	95,385	77,008	86,256	9,756	14,743	20,728
New Mexico .....	14,467	15,328	15,057	1,660	R2,405	R3,130
New York .....	NA	151,116	153,619	17,593	23,904	36,670
North Carolina .....	26,012	21,409	23,131	2,382	3,408	4,991
North Dakota .....	NA	NA	5,805	377	NA	1,537
Ohio .....	110,788	94,156	110,188	7,031	14,358	23,536
Oklahoma .....	21,986	25,700	27,181	2,014	2,964	5,252
Oregon .....	14,874	16,954	16,362	2,093	2,550	3,191
Pennsylvania .....	96,232	80,299	84,521	7,805	13,373	20,545
Rhode Island .....	7,513	NA	8,087	757	1,190	1,744
South Carolina .....	12,172	11,106	11,612	1,421	1,762	2,345
South Dakota .....	5,991	5,763	5,800	454	790	1,383
Tennessee .....	35,900	29,942	33,914	3,088	3,897	7,314
Texas .....	NA	88,044	94,504	13,005	15,831	21,049
Utah .....	16,462	19,185	17,122	1,580	2,564	3,344
Vermont .....	1,771	1,448	1,589	157	302	397
Virginia .....	NA	32,590	33,393	3,556	4,841	7,323
Washington .....	26,318	30,504	28,177	3,641	4,670	5,634
West Virginia .....	NA	12,810	14,511	NA	NA	NA
Wisconsin .....	51,186	44,983	46,447	3,280	6,607	11,162
Wyoming .....	5,196	6,176	5,738	536	901	1,099
<b>Total .....</b>	<b>1,771,619</b>	<b>1,646,870</b>	<b>1,726,508</b>	<b>176,826</b>	<b>R256,636</b>	<b>R378,869</b>

See footnotes at end of table.

# Table 16

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2003		2002			
	February	January	Total	December	November	October
Alabama .....	4,466	4,479	^24,826	3,324	1,858	1,201
Alaska .....	1,637	2,174	NA	2,308	1,853	^1,671
Arizona .....	3,330	4,002	32,836	3,447	2,521	1,994
Arkansas .....	NA	3,476	33,255	3,834	2,786	1,763
California .....	NA	NA	242,131	22,450	15,268	18,657
Colorado .....	9,018	8,185	NA	9,059	7,228	5,014
Connecticut .....	5,540	6,074	NA	5,581	3,990	2,443
Delaware .....	1,416	NA	NA	NA	580	259
District of Columbia .....	2,456	2,548	NA	NA	2,046	1,271
Florida .....	5,671	5,469	51,954	5,102	4,142	3,676
Georgia .....	7,727	10,162	52,821	9,069	4,704	2,794
Hawaii .....	150	161	1,720	151	146	144
Idaho .....	1,638	1,812	14,779	1,686	1,326	699
Illinois .....	33,167	37,339	208,231	28,990	21,752	14,326
Indiana .....	15,384	18,043	NA	13,468	8,694	5,439
Iowa .....	NA	8,265	46,248	6,639	4,877	2,652
Kansas .....	6,708	6,784	38,812	5,065	3,707	1,948
Kentucky .....	6,977	7,930	37,256	5,932	3,931	2,157
Louisiana .....	NA	2,578	24,301	2,735	2,150	1,862
Maine .....	638	537	NA	NA	NA	NA
Maryland .....	9,548	10,870	^64,957	10,259	7,154	4,656
Massachusetts .....	10,959	10,462	79,737	10,105	6,660	5,277
Michigan .....	30,626	32,055	173,019	24,214	16,312	9,435
Minnesota .....	16,315	17,534	NA	14,151	10,890	7,811
Mississippi .....	NA	3,590	NA	2,608	NA	1,202
Missouri .....	11,638	11,049	64,806	8,549	5,796	3,724
Montana .....	1,978	1,936	14,612	1,744	1,432	914
Nebraska .....	4,715	4,273	27,870	3,528	2,297	1,218
Nevada .....	2,475	2,832	22,904	2,540	1,936	1,485
New Hampshire .....	NA	NA	NA	1,322	1,007	NA
New Jersey .....	24,976	25,181	149,268	22,805	13,465	8,958
New Mexico .....	^3,382	^3,890	25,044	3,006	1,691	1,119
New York .....	NA	41,449	332,015	35,572	35,940	19,972
North Carolina .....	7,375	7,856	40,143	6,200	3,648	2,429
North Dakota .....	1,832	1,947	NA	1,611	1,310	1,017
Ohio .....	29,645	36,218	163,260	24,518	16,203	9,189
Oklahoma .....	5,960	5,796	41,076	4,830	2,942	1,504
Oregon .....	3,295	3,745	28,530	3,335	2,345	1,286
Pennsylvania .....	25,661	28,848	148,346	22,449	14,434	9,393
Rhode Island .....	1,972	1,849	NA	1,095	652	621
South Carolina .....	3,220	^3,425	21,328	2,901	1,715	1,192
South Dakota .....	1,651	1,713	10,252	1,374	1,185	762
Tennessee .....	10,384	11,218	NA	7,936	4,027	2,350
Texas .....	NA	28,126	NA	22,819	NA	12,236
Utah .....	4,525	4,449	33,894	4,454	3,627	2,353
Vermont .....	486	429	2,470	332	238	114
Virginia .....	NA	11,330	63,896	9,692	6,667	4,272
Washington .....	5,884	6,489	51,868	5,724	4,439	2,521
West Virginia .....	^3,620	^3,964	23,072	3,231	2,319	870
Wisconsin .....	14,337	15,800	85,132	12,935	9,858	6,478
Wyoming .....	1,307	1,353	11,099	1,495	1,159	767
<b>Total .....</b>	<b>R469,101</b>	<b>R490,188</b>	<b>^3,117,311</b>	<b>410,739</b>	<b>295,372</b>	<b>R196,069</b>

See footnotes at end of table.

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2002					
	September	August	July	June	May	April
Alabama .....	1,078	1,096	1,073	1,185	1,353	1,901
Alaska .....	799	669	590	933	NA	1,688
Arizona .....	1,915	1,891	1,976	2,152	2,399	2,779
Arkansas .....	1,355	1,387	1,752	1,558	1,934	2,967
California .....	16,290	17,840	17,229	17,778	20,446	20,574
Colorado .....	2,223	1,731	1,691	1,716	3,020	NA
Connecticut .....	1,838	1,932	1,800	1,855	2,263	3,804
Delaware .....	201	182	187	225	364	594
District of Columbia .....	857	838	824	797	969	1,247
Florida .....	3,823	3,679	3,837	3,949	4,011	4,478
Georgia .....	2,085	2,138	2,176	2,172	2,670	3,032
Hawaii .....	144	138	147	146	139	143
Idaho .....	476	380	366	561	870	1,386
Illinois .....	7,862	6,770	6,783	7,135	11,256	19,182
Indiana .....	2,541	NA	2,160	2,720	3,750	6,995
Iowa .....	1,847	1,232	1,275	1,521	2,086	3,885
Kansas .....	1,281	1,463	1,424	1,327	1,750	3,223
Kentucky .....	1,058	1,123	1,097	1,011	1,825	2,600
Louisiana .....	1,873	1,412	1,420	1,467	1,121	1,660
Maine .....	459	328	NA	365	NA	NA
Maryland .....	3,590	2,388	2,440	2,776	3,166	4,450
Massachusetts .....	3,911	3,867	3,542	4,788	5,626	7,139
Michigan .....	5,442	5,010	5,484	7,380	11,311	17,809
Minnesota .....	3,848	NA	3,356	3,423	6,149	9,366
Mississippi .....	1,087	785	1,068	1,159	1,023	1,691
Missouri .....	2,077	1,920	2,016	2,218	4,053	5,728
Montana .....	440	413	425	584	977	1,449
Nebraska .....	965	929	975	1,268	1,670	3,063
Nevada .....	1,255	1,190	1,208	1,373	1,575	1,798
New Hampshire .....	NA	280	328	NA	653	844
New Jersey .....	8,381	5,972	6,158	6,522	10,873	12,326
New Mexico .....	778	953	962	1,208	1,627	2,395
New York .....	21,083	23,416	23,454	21,462	22,035	27,740
North Carolina .....	1,625	1,440	1,512	1,880	1,902	2,856
North Dakota .....	363	NA	282	286	656	980
Ohio .....	4,403	4,288	4,704	5,800	9,441	14,847
Oklahoma .....	1,512	1,519	1,417	1,652	2,235	3,959
Oregon .....	1,082	1,008	1,090	1,430	2,042	2,642
Pennsylvania .....	5,414	5,316	5,128	5,914	8,607	13,508
Rhode Island .....	429	522	409	526	824	1,151
South Carolina .....	1,123	1,047	1,081	1,162	1,284	1,607
South Dakota .....	314	266	277	310	555	968
Tennessee .....	2,143	1,928	1,884	NA	2,599	4,325
Texas .....	10,586	11,030	9,761	10,239	10,707	14,767
Utah .....	1,266	998	953	1,057	1,627	2,239
Vermont .....	83	75	72	108	161	249
Virginia .....	2,657	2,650	2,603	2,765	3,598	4,231
Washington .....	1,937	1,904	2,061	2,778	3,769	5,211
West Virginia .....	884	966	924	1,068	1,517	2,097
Wisconsin .....	3,025	2,976	2,281	2,597	4,513	6,634
Wyoming .....	391	220	470	420	630	1,000
<b>Total .....</b>	<b>142,557</b>	<b>138,986</b>	<b>136,443</b>	<b>150,274</b>	<b>190,840</b>	<b>265,255</b>

See footnotes at end of table.

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2002			2001		
	March	February	January	Total	December	November
Alabama .....	3,226	3,530	4,000	26,377	2,274	1,797
Alaska .....	1,831	1,782	1,970	15,849	2,299	1,911
Arizona .....	3,482	3,992	4,288	31,121	3,574	2,240
Arkansas .....	4,395	4,857	4,666	32,031	3,694	2,901
California .....	22,685	24,573	28,341	245,795	25,444	19,010
Colorado .....	8,062	9,076	10,856	65,011	8,243	4,204
Connecticut .....	4,916	NA	5,464	44,404	4,406	4,339
Delaware .....	834	892	1,039	5,680	522	396
District of Columbia .....	2,030	2,204	2,452	16,546	1,506	1,223
Florida .....	5,175	4,782	5,299	49,286	4,215	4,026
Georgia .....	5,910	7,633	8,438	50,645	6,149	4,008
Hawaii .....	138	138	145	1,749	136	137
Idaho .....	2,091	2,493	2,444	13,623	1,820	1,060
Illinois .....	27,134	26,191	30,850	189,160	25,230	14,372
Indiana .....	10,863	11,356	12,783	78,479	9,276	6,253
Iowa .....	6,436	6,362	7,436	45,911	5,584	3,556
Kansas .....	5,301	5,633	6,690	38,127	4,147	2,200
Kentucky .....	5,481	5,567	5,473	35,255	4,485	2,867
Louisiana .....	2,956	2,775	2,870	28,833	2,827	2,066
Maine .....	679	701	738	2,642	330	257
Maryland .....	7,634	8,057	8,388	59,802	6,102	5,197
Massachusetts .....	8,517	10,392	9,914	61,677	6,278	4,369
Michigan .....	20,604	24,282	25,734	173,791	19,143	13,259
Minnesota .....	NA	11,181	12,941	93,845	12,297	6,546
Mississippi .....	2,592	2,814	3,229	21,579	2,004	1,659
Missouri .....	8,756	9,749	10,219	64,924	7,407	4,083
Montana .....	2,076	1,898	2,260	13,245	1,770	1,147
Nebraska .....	4,044	4,328	3,584	27,792	3,269	1,742
Nevada .....	2,730	2,789	3,026	22,912	2,731	1,774
New Hampshire .....	1,195	1,296	1,272	7,349	765	493
New Jersey .....	14,247	18,908	20,655	136,578	14,241	10,382
New Mexico .....	3,415	3,981	3,910	24,150	2,661	1,443
New York .....	32,501	34,387	34,454	347,253	37,264	26,198
North Carolina .....	4,775	5,587	6,287	38,583	4,038	2,946
North Dakota .....	NA	1,374	1,747	10,456	1,626	997
Ohio .....	22,737	24,083	23,048	172,537	21,128	11,693
Oklahoma .....	5,630	6,986	6,891	42,110	3,988	2,310
Oregon .....	3,449	3,969	4,853	27,884	3,348	2,252
Pennsylvania .....	17,923	19,523	20,737	136,468	15,565	10,114
Rhode Island .....	NA	1,641	1,758	12,808	1,222	934
South Carolina .....	2,461	2,739	3,016	20,743	1,870	1,585
South Dakota .....	1,414	1,309	1,518	9,711	1,378	780
Tennessee .....	6,459	7,390	9,170	52,947	4,830	3,802
Texas .....	22,571	16,135	23,864	177,714	20,466	12,487
Utah .....	4,189	5,275	5,854	30,917	5,250	2,870
Vermont .....	294	383	362	2,473	241	189
Virginia .....	7,654	8,130	8,978	59,809	6,501	5,189
Washington .....	6,184	6,765	8,576	57,160	9,222	6,904
West Virginia .....	3,025	3,004	3,166	27,737	3,507	2,573
Wisconsin .....	11,404	10,392	12,040	76,439	10,056	5,712
Wyoming .....	1,391	994	2,161	9,535	979	1,081
<b>Total .....</b>	<b>371,550</b>	<b>389,371</b>	<b>429,855</b>	<b>3,037,450</b>	<b>347,309</b>	<b>231,534</b>

R Revised Data.

NA Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 7 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003**  
 (Million Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		
				May	April	March
Alabama .....	65,249	69,647	68,670	12,158	12,181	12,615
Alaska .....	26,635	26,302	28,407	6,259	6,370	5,292
Arizona .....	6,844	NA	9,791	926	1,377	1,510
Arkansas .....	NA	51,533	51,418	9,119	NA	NA
California .....	269,121	282,045	250,248	54,026	52,529	56,975
Colorado .....	NA	NA	28,634	10,710	7,789	10,445
Connecticut .....	12,253	NA	11,181	2,017	2,472	2,487
Delaware .....	7,413	9,055	8,772	818	922	1,381
District of Columbia .....	0	0	0	0	0	0
Florida .....	NA	42,571	38,642	5,824	5,633	5,616
Georgia .....	59,052	61,110	57,696	11,439	12,024	10,952
Hawaii .....	189	206	231	35	38	40
Idaho <sup>a</sup> .....	11,321	12,555	13,751	2,009	2,210	2,404
Illinois .....	126,867	125,693	127,641	19,020	21,870	26,162
Indiana .....	109,805	109,324	112,387	18,105	19,223	21,778
Iowa .....	40,167	39,938	41,467	6,868	7,049	7,931
Kansas .....	42,309	38,444	37,483	7,962	7,083	8,292
Kentucky .....	43,595	42,158	43,721	7,381	7,044	8,099
Louisiana .....	291,829	297,493	298,471	60,073	60,281	55,684
Maine .....	NA	470	5,180	205	228	276
Maryland .....	10,403	11,473	11,577	1,580	2,408	2,026
Massachusetts .....	NA	33,739	39,885	6,055	6,034	7,634
Michigan .....	111,259	109,241	106,921	15,790	19,507	22,977
Minnesota .....	40,772	38,203	40,236	6,576	7,148	7,990
Mississippi .....	42,550	42,923	43,564	7,382	7,751	7,819
Missouri .....	29,618	31,273	31,868	4,377	4,924	6,098
Montana .....	8,446	NA	9,999	1,310	1,842	1,858
Nebraska .....	14,888	14,404	15,201	2,600	3,502	2,470
Nevada .....	4,656	4,596	4,837	846	1,005	1,000
New Hampshire .....	NA	3,580	3,493	653	697	747
New Jersey .....	36,373	36,702	37,177	7,744	6,496	7,136
New Mexico .....	8,851	8,625	16,080	1,734	R1,795	R1,774
New York .....	NA	77,316	40,013	8,868	12,547	14,941
North Carolina .....	40,221	42,733	34,454	6,931	7,497	7,616
North Dakota .....	5,378	5,854	8,132	1,197	1,071	944
Ohio .....	135,008	136,673	139,549	22,211	23,385	R27,287
Oklahoma .....	48,191	48,463	67,550	8,645	8,944	9,473
Oregon .....	27,693	32,380	31,340	5,395	5,250	5,589
Pennsylvania .....	84,584	87,319	88,614	13,719	15,749	17,252
Rhode Island .....	2,025	1,036	2,307	309	396	438
South Carolina .....	33,021	42,269	29,513	6,168	6,615	5,767
South Dakota .....	NA	1,781	2,112	851	1,001	NA
Tennessee .....	50,192	52,485	51,156	9,625	9,410	9,815
Texas .....	675,879	771,012	934,206	127,619	129,114	134,280
Utah .....	10,783	11,578	15,069	1,934	2,022	2,187
Vermont .....	1,011	1,427	1,071	236	264	176
Virginia .....	30,018	29,446	25,835	7,152	4,138	6,258
Washington .....	NA	31,310	29,484	5,071	5,661	5,847
West Virginia .....	NA	19,538	16,768	NA	NA	NA
Wisconsin .....	65,644	66,877	66,329	8,944	11,684	13,030
Wyoming .....	NA	NA	15,655	3,896	4,206	NA
<b>Total .....</b>	<b>2,940,332</b>	<b>3,110,865</b>	<b>3,193,786</b>	<b>534,062</b>	<b>R549,663</b>	<b>R585,408</b>

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2003		2002			
	February	January	Total	December	November	October
Alabama .....	13,738	14,557	161,412	14,452	12,714	13,395
Alaska .....	4,386	4,328	65,354	4,298	4,563	5,207
Arizona .....	1,456	1,575	NA	1,712	NA	1,312
Arkansas .....	NA	9,569	117,903	10,663	10,396	10,243
California .....	53,341	52,249	719,060	61,111	61,716	68,243
Colorado .....	12,398	NA	NA	NA	NA	NA
Connecticut .....	2,428	2,849	NA	2,971	2,865	2,540
Delaware .....	1,880	2,412	NA	NA	NA	NA
District of Columbia .....	0	0	0	0	0	0
Florida .....	NA	NA	95,828	7,733	7,746	8,161
Georgia .....	11,701	12,936	145,243	12,393	12,240	11,928
Hawaii .....	36	40	475	37	35	35
Idaho <sup>a</sup> .....	2,204	2,493	NA	2,425	2,347	2,385
Illinois .....	28,737	31,078	NA	26,771	24,986	23,786
Indiana .....	24,137	26,563	254,382	25,090	22,870	21,838
Iowa .....	9,747	8,572	90,401	8,920	9,120	7,443
Kansas .....	8,971	10,000	NA	10,304	10,413	8,194
Kentucky .....	9,711	11,359	98,608	9,706	9,627	8,942
Louisiana .....	55,001	60,789	710,309	66,473	66,043	58,144
Maine .....	NA	611	1,281	16	61	164
Maryland .....	2,140	2,248	NA	2,153	NA	2,155
Massachusetts .....	6,264	NA	76,568	6,923	6,729	6,770
Michigan .....	26,375	26,609	236,820	23,516	19,902	15,945
Minnesota .....	9,626	9,432	NA	9,574	9,568	8,253
Mississippi .....	8,919	10,679	104,568	10,156	9,028	9,079
Missouri .....	6,923	7,297	67,310	6,295	5,955	6,056
Montana .....	1,989	1,447	NA	NA	2,150	1,863
Nebraska .....	3,071	3,245	40,143	3,178	2,913	2,822
Nevada .....	766	1,039	11,168	1,074	999	1,037
New Hampshire .....	NA	NA	NA	NA	626	NA
New Jersey .....	7,313	7,684	NA	NA	7,060	6,391
New Mexico .....	1,781	1,766	19,840	1,605	1,845	1,646
New York .....	NA	14,479	179,110	16,750	17,192	16,602
North Carolina .....	9,278	8,898	98,980	8,889	8,801	8,610
North Dakota .....	778	1,388	NA	999	914	1,030
Ohio .....	29,597	32,528	317,701	31,608	29,025	26,778
Oklahoma .....	9,675	11,453	116,385	11,379	11,040	9,893
Oregon .....	5,514	5,945	72,039	6,150	5,856	5,808
Pennsylvania .....	17,666	20,197	197,661	19,257	17,729	16,319
Rhode Island .....	448	434	2,696	205	332	273
South Carolina .....	6,940	7,531	97,673	8,002	8,339	8,115
South Dakota .....	NA	NA	4,588	506	546	394
Tennessee .....	10,404	10,937	NA	10,296	10,290	9,183
Texas .....	137,228	147,638	1,748,531	128,650	121,771	126,557
Utah .....	2,240	2,400	26,888	2,489	2,410	2,415
Vermont .....	121	215	3,013	279	281	263
Virginia .....	6,306	6,166	NA	5,158	NA	NA
Washington .....	NA	6,080	68,985	5,874	5,978	5,741
West Virginia .....	3,990	4,505	45,852	4,230	4,116	4,295
Wisconsin .....	15,374	16,611	139,326	14,561	12,584	11,438
Wyoming .....	3,622	5,518	NA	3,873	4,096	3,785
<b>Total .....</b>	<b>617,379</b>	<b>653,820</b>	<b>7,256,754</b>	<b>636,202</b>	<b>608,948</b>	<b>596,726</b>

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2002					
	September	August	July	June	May	April
Alabama .....	12,893	12,661	12,587	13,065	13,466	13,610
Alaska .....	5,536	6,106	6,703	6,640	5,909	4,759
Arizona .....	1,123	1,159	1,164	1,156	1,158	1,193
Arkansas .....	9,352	9,048	7,669	9,000	9,630	9,778
California .....	62,073	66,371	63,160	54,341	55,260	54,374
Colorado .....	NA	NA	NA	NA	NA	NA
Connecticut .....	2,048	2,068	2,450	2,280	2,406	NA
Delaware .....	NA	1,761	1,572	1,204	1,269	1,657
District of Columbia .....	0	0	0	0	0	0
Florida .....	7,500	7,814	7,455	6,847	8,171	9,243
Georgia .....	11,635	12,631	11,761	11,545	12,231	11,763
Hawaii .....	36	42	47	36	43	42
Idaho <sup>a</sup> .....	2,185	NA	NA	2,065	2,299	2,377
Illinois .....	18,360	19,300	NA	19,888	22,448	24,491
Indiana .....	19,445	19,534	19,189	17,091	18,569	20,499
Iowa .....	6,477	6,519	5,992	5,992	7,309	7,802
Kansas .....	11,168	NA	9,299	7,579	7,861	6,888
Kentucky .....	7,589	6,508	6,915	7,165	8,120	7,521
Louisiana .....	54,625	57,819	55,193	54,518	55,116	56,210
Maine .....	122	150	143	154	182	178
Maryland .....	1,994	NA	2,234	2,067	1,772	2,128
Massachusetts .....	5,857	7,201	3,764	5,584	5,343	6,302
Michigan .....	14,669	17,142	18,046	18,358	19,401	21,968
Minnesota .....	6,493	NA	6,711	6,735	6,942	7,848
Mississippi .....	7,980	8,539	8,743	8,120	8,298	8,245
Missouri .....	4,280	4,518	4,444	4,489	5,657	5,702
Montana .....	1,646	1,367	1,311	1,508	1,622	NA
Nebraska .....	4,393	4,910	5,647	1,876	2,823	2,757
Nevada .....	896	862	833	870	819	978
New Hampshire .....	588	NA	NA	749	727	693
New Jersey .....	6,011	NA	NA	6,277	6,559	6,723
New Mexico .....	1,635	1,433	1,507	1,543	1,543	1,750
New York .....	15,570	15,668	7,452	12,561	11,626	14,312
North Carolina .....	7,745	7,827	7,086	7,290	8,057	7,848
North Dakota .....	908	962	1,001	NA	1,130	1,071
Ohio .....	22,411	24,220	23,047	23,939	26,393	25,592
Oklahoma .....	9,091	9,470	9,288	7,761	8,806	8,865
Oregon .....	5,507	5,612	5,343	5,383	5,890	5,816
Pennsylvania .....	14,254	14,592	13,748	14,444	15,570	16,396
Rhode Island .....	229	211	185	224	222	213
South Carolina .....	7,288	7,740	7,696	8,224	8,296	8,133
South Dakota .....	271	330	418	341	264	341
Tennessee .....	7,800	8,951	8,617	NA	9,162	9,833
Texas .....	134,224	146,959	156,179	163,180	156,234	174,407
Utah .....	2,118	2,041	1,971	1,864	2,175	2,005
Vermont .....	193	194	184	192	224	240
Virginia .....	6,582	7,421	7,481	6,961	6,355	5,659
Washington .....	5,132	4,980	4,786	5,183	5,415	5,982
West Virginia .....	3,125	3,640	3,358	3,549	3,813	3,768
Wisconsin .....	8,630	8,609	8,250	8,377	10,780	11,920
Wyoming .....	3,099	3,341	3,131	3,187	3,734	NA
<b>Total .....</b>	<b>555,938</b>	<b>591,596</b>	<b>586,264</b>	<b>570,216</b>	<b>587,899</b>	<b>620,256</b>

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2002			2001		
	March	February	January	Total	December	November
Alabama .....	14,497	13,972	14,100	155,054	12,672	11,767
Alaska .....	4,595	5,304	5,735	67,174	5,205	4,843
Arizona .....	NA	1,426	1,680	21,228	1,704	1,412
Arkansas .....	9,795	11,293	11,037	122,311	11,527	11,168
California .....	61,534	49,783	61,093	666,462	62,087	57,442
Colorado .....	NA	NA	NA	57,436	4,457	4,941
Connecticut .....	NA	NA	3,291	26,019	1,802	2,147
Delaware .....	1,946	1,916	2,266	20,059	1,639	1,804
District of Columbia .....	0	0	0	0	0	0
Florida .....	8,777	8,076	8,304	94,711	8,016	7,811
Georgia .....	12,964	11,756	12,395	137,899	11,212	11,239
Hawaii .....	39	40	42	532	42	37
Idaho <sup>a</sup> .....	2,561	2,553	2,765	30,435	2,669	2,536
Illinois .....	26,897	26,026	25,832	277,292	23,695	23,899
Indiana .....	23,325	22,843	24,088	250,766	22,971	20,330
Iowa .....	8,132	7,902	8,793	92,569	8,462	8,265
Kansas .....	8,093	7,505	8,097	92,771	7,212	7,131
Kentucky .....	8,625	8,854	9,037	94,896	8,851	8,090
Louisiana .....	61,785	59,384	64,997	747,015	72,462	69,355
Maine .....	107	0	3	10,929	701	1,160
Maryland .....	2,765	2,396	2,412	27,412	2,065	2,701
Massachusetts .....	7,805	7,265	7,025	81,184	6,625	4,811
Michigan .....	20,956	23,834	23,082	223,798	20,000	18,664
Minnesota .....	8,329	7,259	7,825	92,451	7,858	9,056
Mississippi .....	9,275	8,300	8,804	99,341	8,580	8,146
Missouri .....	7,013	5,864	7,036	67,846	7,342	5,329
Montana .....	1,881	2,074	2,071	20,923	1,972	2,089
Nebraska .....	2,339	3,177	3,308	40,145	3,135	3,947
Nevada .....	890	813	1,096	11,475	1,398	865
New Hampshire .....	817	623	721	8,685	990	921
New Jersey .....	7,380	7,948	8,091	86,097	7,371	7,205
New Mexico .....	1,777	1,694	1,861	36,874	3,547	3,089
New York .....	15,850	17,132	18,396	84,411	8,527	5,076
North Carolina .....	9,019	8,855	8,954	88,844	8,498	8,170
North Dakota .....	1,119	1,117	1,417	17,759	1,119	1,068
Ohio .....	27,129	27,434	30,125	293,369	28,339	24,128
Oklahoma .....	9,792	9,681	11,319	161,341	15,210	14,486
Oregon .....	6,424	6,466	7,783	69,760	5,939	5,805
Pennsylvania .....	18,527	17,703	19,123	197,676	17,894	16,402
Rhode Island .....	218	202	181	6,127	604	468
South Carolina .....	8,645	8,504	8,691	79,674	7,785	7,201
South Dakota .....	486	318	372	4,211	367	343
Tennessee .....	9,392	11,803	12,295	118,566	10,391	10,696
Texas .....	144,236	140,601	155,534	2,093,120	164,669	166,820
Utah .....	2,333	2,432	2,633	33,585	2,395	2,565
Vermont .....	311	317	335	2,597	313	263
Virginia .....	4,718	6,164	6,551	65,231	7,375	8,820
Washington .....	6,276	6,244	7,393	75,651	7,943	7,903
West Virginia .....	4,086	3,489	4,382	39,598	3,284	3,459
Wisconsin .....	14,857	13,919	15,400	132,638	12,302	11,033
Wyoming .....	2,387	3,344	3,757	37,136	3,468	3,204
<b>Total .....</b>	<b>630,274</b>	<b>609,670</b>	<b>662,766</b>	<b>7,363,081</b>	<b>644,691</b>	<b>620,113</b>

<sup>a</sup> Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

<sup>R</sup> Revised Data.

NA Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 7 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003**  
 (Million Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		
				May	April	March
Alabama .....	29,861	39,341	17,174	4,608	5,840	4,377
Alaska .....	14,295	12,947	13,671	2,615	2,712	2,888
Arizona .....	40,932	40,048	54,781	8,701	9,405	11,626
Arkansas .....	13,402	10,228	7,488	2,887	2,838	2,337
California .....	228,616	237,137	416,188	37,310	35,140	R52,522
Colorado .....	26,992	28,526	35,634	6,022	4,519	5,772
Connecticut .....	15,626	22,861	6,834	3,254	3,505	R4,261
Delaware .....	3,059	5,250	2,424	356	943	R952
District of Columbia .....	0	0	0	0	0	0
Florida .....	191,483	183,745	110,209	50,704	39,940	42,010
Georgia .....	11,578	10,218	6,794	2,488	4,279	884
Hawaii .....	0	0	0	0	0	0
Idaho .....	633	1,154	698	137	103	R121
Illinois .....	11,814	21,407	11,773	1,492	1,870	R2,574
Indiana .....	8,841	10,616	5,111	2,759	935	R1,959
Iowa .....	1,430	2,260	1,639	246	280	296
Kansas .....	4,295	5,370	4,563	922	780	1,037
Kentucky .....	1,444	2,422	921	302	189	153
Louisiana .....	78,653	107,507	83,019	18,727	15,679	R13,374
Maine .....	23,637	32,119	26,550	4,141	4,923	R4,329
Maryland .....	3,504	4,032	4,110	1,293	642	334
Massachusetts .....	52,875	47,177	27,799	12,129	10,988	10,899
Michigan .....	42,789	54,283	40,335	7,188	6,955	R7,428
Minnesota .....	4,618	4,029	3,487	554	1,159	R731
Mississippi .....	44,115	82,003	30,027	8,162	8,307	R6,983
Missouri .....	6,751	9,528	6,899	1,285	2,399	817
Montana .....	61	22	19	11	2	21
Nebraska .....	866	1,019	1,023	194	261	125
Nevada .....	35,410	38,802	46,756	7,153	6,409	R7,538
New Hampshire .....	1	80	1	0	0	0
New Jersey .....	40,614	45,565	39,674	8,598	8,284	R7,062
New Mexico .....	13,381	13,634	20,777	3,293	2,349	2,838
New York .....	89,215	122,501	95,868	16,880	17,698	R20,318
North Carolina .....	11,529	12,689	707	3,141	2,192	1,332
North Dakota .....	0	1	2	0	0	0
Ohio .....	3,704	3,851	2,786	639	1,089	R1,077
Oklahoma .....	58,093	64,944	48,840	14,044	11,659	R10,129
Oregon .....	21,546	23,761	30,208	1,623	2,085	R4,356
Pennsylvania .....	10,610	12,200	4,239	2,207	2,470	2,712
Rhode Island .....	13,915	21,609	20,193	1,848	1,764	R2,853
South Carolina .....	6,506	13,666	1,664	1,202	1,437	413
South Dakota .....	173	344	2,293	10	66	18
Tennessee .....	2,029	496	238	27	639	R264
Texas .....	548,779	539,992	536,663	137,715	101,148	R102,071
Utah .....	5,872	4,520	7,581	1,108	1,773	1,372
Vermont .....	8	13	96	3	2	1
Virginia .....	10,858	9,199	4,987	827	3,237	2,461
Washington .....	18,179	15,555	43,013	1,068	1,846	5,177
West Virginia .....	413	642	246	95	140	76
Wisconsin .....	8,538	7,038	6,338	1,053	1,793	R1,900
Wyoming .....	1,350	1,218	1,366	82	238	254
<b>Total .....</b>	<b>1,762,896</b>	<b>1,927,388</b>	<b>1,834,543</b>	<b>381,098</b>	<b>332,912</b>	<b>R353,032</b>

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2003		2002			
	February	January	Total	December	November	October
Alabama .....	5,320	9,717	112,743	5,487	5,378	7,052
Alaska .....	2,715	3,365	32,947	3,093	2,568	2,885
Arizona .....	8,703	2,497	125,086	8,320	8,163	14,743
Arkansas .....	2,973	2,366	39,750	1,275	665	3,637
California .....	51,396	52,248	697,915	54,851	50,415	55,605
Colorado .....	5,472	5,206	76,403	5,475	5,311	7,038
Connecticut .....	2,098	2,509	65,079	4,228	4,166	4,689
Delaware .....	353	456	17,463	332	271	1,253
District of Columbia .....	0	0	0	0	0	0
Florida .....	28,404	30,425	519,545	30,686	35,129	52,195
Georgia .....	801	3,127	51,468	1,358	390	4,150
Hawaii .....	0	0	0	0	0	0
Idaho .....	121	150	2,844	149	123	208
Illinois .....	2,829	3,048	86,641	1,354	985	6,677
Indiana .....	1,729	1,459	32,618	1,875	1,938	1,829
Iowa .....	330	277	7,014	416	460	373
Kansas .....	730	827	23,126	536	671	851
Kentucky .....	174	627	12,006	251	260	296
Louisiana .....	13,630	17,244	285,001	13,737	14,620	21,860
Maine .....	3,613	6,632	78,006	6,370	6,412	6,223
Maryland .....	572	662	22,545	980	814	1,174
Massachusetts .....	9,733	9,128	126,794	12,194	10,418	10,935
Michigan .....	9,741	11,477	146,479	9,390	7,393	9,824
Minnesota .....	1,045	1,129	14,069	527	498	816
Mississippi .....	8,169	12,494	199,055	9,547	8,044	10,899
Missouri .....	661	1,589	29,449	371	529	510
Montana .....	20	7	132	5	2	2
Nebraska .....	161	125	5,299	133	159	408
Nevada .....	7,017	7,294	109,577	8,707	9,317	9,859
New Hampshire .....	0	0	1,096	103	0	194
New Jersey .....	8,118	8,552	151,392	9,475	9,192	11,492
New Mexico .....	2,704	2,197	39,029	2,393	2,397	3,052
New York .....	15,316	19,004	365,925	21,149	21,843	30,475
North Carolina .....	1,758	3,107	46,304	1,613	748	2,450
North Dakota .....	0	0	1	0	0	0
Ohio .....	348	552	22,302	489	471	1,123
Oklahoma .....	11,557	10,705	179,982	7,542	6,714	11,695
Oregon .....	5,636	7,847	55,449	5,285	5,065	5,595
Pennsylvania .....	1,624	1,597	49,933	2,294	2,544	3,879
Rhode Island .....	3,083	4,367	53,166	5,121	4,975	3,985
South Carolina .....	816	2,639	36,774	278	382	1,100
South Dakota .....	51	27	1,273	25	12	27
Tennessee .....	116	983	2,714	340	99	14
Texas .....	99,744	108,101	1,518,238	93,261	100,883	116,315
Utah .....	754	865	12,861	551	593	1,653
Vermont .....	1	1	37	3	4	4
Virginia .....	959	3,374	34,104	2,088	851	1,742
Washington .....	5,146	4,943	37,809	4,859	3,782	3,976
West Virginia .....	36	67	1,691	45	73	81
Wisconsin .....	2,106	1,686	20,527	1,339	1,033	960
Wyoming .....	418	358	3,672	320	217	498
<b>Total .....</b>	<b>328,801</b>	<b>367,051</b>	<b>5,553,331</b>	<b>340,220</b>	<b>336,977</b>	<b>436,300</b>

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2002					
	September	August	July	June	May	April
Alabama .....	12,519	15,885	15,223	11,856	7,444	7,357
Alaska .....	2,705	2,813	3,280	2,656	2,433	2,582
Arizona .....	13,357	13,599	15,063	11,792	9,164	7,599
Arkansas .....	5,298	6,382	6,941	5,323	2,261	2,606
California .....	72,884	76,871	88,017	62,134	42,999	41,654
Colorado .....	6,309	7,563	8,948	7,234	5,949	6,330
Connecticut .....	7,284	8,304	7,984	5,562	5,829	3,923
Delaware .....	1,935	2,216	4,884	1,321	1,021	1,071
District of Columbia .....	0	0	0	0	0	0
Florida .....	53,296	57,978	55,523	50,993	45,252	41,671
Georgia .....	7,037	10,312	10,722	7,282	3,402	3,425
Hawaii .....	0	0	0	0	0	0
Idaho .....	195	276	478	261	161	133
Illinois .....	6,935	15,490	23,821	9,972	3,973	7,098
Indiana .....	2,995	3,835	6,233	3,297	1,241	2,807
Iowa .....	734	804	1,228	738	486	499
Kansas .....	2,329	4,354	5,807	3,208	1,290	946
Kentucky .....	1,184	1,771	3,828	1,994	546	587
Louisiana .....	28,304	33,906	35,007	30,062	26,215	25,387
Maine .....	6,824	7,254	6,938	5,865	6,392	5,288
Maryland .....	3,005	6,428	4,131	1,980	892	1,303
Massachusetts .....	13,438	12,072	11,578	8,981	11,325	8,016
Michigan .....	13,066	18,597	20,972	12,953	9,704	10,837
Minnesota .....	1,399	1,894	3,470	1,438	651	635
Mississippi .....	17,581	23,140	27,029	20,812	15,010	16,268
Missouri .....	3,185	5,177	6,733	3,418	1,489	2,494
Montana .....	12	22	31	36	13	2
Nebraska .....	579	946	1,395	660	294	273
Nevada .....	10,763	11,631	10,965	9,532	7,672	5,974
New Hampshire .....	219	311	79	108	39	11
New Jersey .....	14,861	22,333	23,319	15,156	8,301	9,758
New Mexico .....	3,287	4,566	5,764	3,937	3,346	2,807
New York .....	37,561	49,622	48,357	34,418	24,300	24,157
North Carolina .....	4,741	9,248	9,305	5,510	2,801	3,233
North Dakota .....	0	0	0	0	0	0
Ohio .....	3,235	4,315	6,384	2,436	701	1,365
Oklahoma .....	19,817	27,488	23,739	18,044	12,911	15,161
Oregon .....	5,621	4,908	2,114	3,100	2,078	2,361
Pennsylvania .....	5,629	9,187	8,349	6,030	2,335	1,932
Rhode Island .....	4,320	4,444	4,617	4,095	3,920	3,575
South Carolina .....	2,794	6,601	7,031	4,922	4,534	2,914
South Dakota .....	148	55	480	182	58	62
Tennessee .....	93	657	739	277	58	233
Texas .....	145,049	183,624	185,044	154,070	125,671	116,081
Utah .....	1,738	1,528	1,251	1,028	1,386	882
Vermont .....	3	3	4	3	3	2
Virginia .....	3,921	6,407	6,447	3,448	2,023	2,815
Washington .....	3,887	3,166	1,729	855	1,115	2,000
West Virginia .....	139	263	219	229	99	252
Wisconsin .....	2,357	2,123	3,795	1,882	1,214	1,982
Wyoming .....	576	295	317	230	217	231
<b>Total .....</b>	<b>555,149</b>	<b>690,663</b>	<b>725,315</b>	<b>541,320</b>	<b>410,216</b>	<b>398,579</b>

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2002			2001		
	March	February	January	Total	December	November
Alabama .....	7,172	8,131	9,236	68,868	6,324	7,007
Alaska .....	2,647	2,414	2,872	32,588	3,235	2,986
Arizona .....	9,057	7,852	6,375	129,086	8,910	6,853
Arkansas .....	1,929	1,853	1,580	26,096	1,253	2,200
California .....	58,696	43,011	50,777	973,509	61,775	59,363
Colorado .....	6,729	4,370	5,148	85,999	6,628	5,557
Connecticut .....	4,705	3,979	4,425	32,161	3,798	2,279
Delaware .....	1,230	1,127	802	15,129	443	1,094
District of Columbia .....	0	0	0	0	0	0
Florida .....	35,080	27,229	34,513	374,311	34,168	29,384
Georgia .....	998	1,098	1,295	34,700	356	340
Hawaii .....	0	0	0	0	0	0
Idaho .....	512	171	177	10,479	1,667	2,331
Illinois .....	4,977	3,053	2,305	46,806	2,328	2,025
Indiana .....	2,085	2,727	1,755	17,777	869	1,088
Iowa .....	576	304	395	5,754	279	247
Kansas .....	1,426	632	1,076	23,267	863	1,096
Kentucky .....	672	412	204	4,433	302	178
Louisiana .....	22,004	17,388	16,511	243,017	11,549	10,270
Maine .....	6,856	6,470	7,113	80,044	7,964	8,167
Maryland .....	665	542	631	17,521	698	525
Massachusetts .....	10,411	7,670	9,756	96,294	9,281	8,428
Michigan .....	12,064	10,334	11,344	133,054	11,972	11,915
Minnesota .....	1,109	860	774	10,688	547	471
Mississippi .....	16,907	16,880	16,938	149,434	14,943	12,944
Missouri .....	2,064	1,595	1,885	32,805	1,864	1,841
Montana .....	2	2	3	161	2	2
Nebraska .....	87	109	256	4,290	256	250
Nevada .....	8,650	7,816	8,690	108,510	7,837	7,698
New Hampshire .....	1	12	18	527	29	0
New Jersey .....	9,297	8,262	9,946	128,378	8,681	9,013
New Mexico .....	2,807	2,315	2,359	48,981	1,876	2,839
New York .....	24,827	23,694	25,523	357,439	29,115	26,679
North Carolina .....	2,769	2,024	1,861	12,265	201	189
North Dakota .....	0	0	0	3	0	0
Ohio .....	695	794	297	10,546	191	404
Oklahoma .....	12,867	14,104	9,901	173,893	10,238	10,276
Oregon .....	6,231	5,754	7,338	82,542	7,527	6,832
Pennsylvania .....	3,474	2,173	2,105	22,682	2,678	2,586
Rhode Island .....	3,904	4,458	5,753	58,417	5,797	4,362
South Carolina .....	1,252	2,013	2,953	10,944	534	477
South Dakota .....	61	145	18	4,496	70	29
Tennessee .....	172	34	0	2,479	0	0
Texas .....	104,248	90,305	103,687	1,506,112	91,523	91,505
Utah .....	752	452	1,047	15,141	785	636
Vermont .....	2	3	4	116	3	3
Virginia .....	1,007	1,177	2,178	33,124	1,773	2,547
Washington .....	4,770	3,814	3,857	86,184	4,358	4,277
West Virginia .....	164	50	76	2,620	41	165
Wisconsin .....	1,506	1,208	1,128	22,358	1,291	1,028
Wyoming .....	340	214	217	2,727	224	193
<b>Total .....</b>	<b>400,455</b>	<b>341,035</b>	<b>377,103</b>	<b>5,342,734</b>	<b>367,046</b>	<b>350,573</b>

<sup>R</sup> Revised Data.

**Notes:** Geographic coverage is the 50 States and the District of Columbia.  
 See Appendix A, Explanatory Note 7 for discussion of computation and

revision policy.

**Source:** Form EIA-906, "Power Plant Report."

**Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003**  
 (Million Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		
				May	April	March
Alabama .....	141,729	151,486	137,309	20,102	23,094	25,991
Alaska .....	57,714	NA	57,271	11,083	12,038	12,068
Arizona .....	85,347	NA	104,901	14,112	16,548	21,362
Arkansas .....	NA	106,147	99,081	15,240	NA	NA
California .....	NA	915,219	1,073,944	147,365	155,175	R184,797
Colorado .....	NA	NA	187,335	25,125	25,432	R38,043
Connecticut .....	79,106	NA	68,547	9,924	13,700	R17,189
Delaware .....	22,779	23,766	21,507	2,132	3,532	R4,884
District of Columbia .....	18,978	16,218	18,967	1,600	2,552	3,730
Florida .....	NA	258,584	182,061	61,851	51,363	54,188
Georgia .....	173,470	165,442	165,583	20,889	27,076	28,686
Hawaii .....	1,179	1,147	1,217	227	229	235
Idaho .....	30,363	35,714	34,944	4,393	5,279	R6,477
Illinois .....	550,716	529,400	510,571	47,054	74,494	R114,379
Indiana .....	272,289	258,759	261,529	31,448	36,300	R52,600
Iowa .....	NA	111,168	119,203	12,245	16,663	25,194
Kansas .....	NA	110,827	116,770	13,344	17,122	27,435
Kentucky .....	108,663	98,522	100,992	10,661	13,892	20,468
Louisiana .....	415,210	448,507	428,177	82,082	80,441	R77,239
Maine .....	NA	NA	33,961	4,607	5,671	R5,326
Maryland .....	107,759	89,490	98,728	10,674	15,619	21,180
Massachusetts .....	211,443	187,913	180,050	30,154	37,472	R46,075
Michigan .....	519,751	481,180	481,388	53,987	78,701	R112,589
Minnesota .....	188,508	NA	178,190	18,036	26,419	R39,155
Mississippi .....	117,313	153,383	105,437	17,799	19,405	R21,504
Missouri .....	153,777	152,024	162,846	13,471	21,268	33,848
Montana .....	28,461	NA	30,168	3,511	4,678	6,695
Nebraska .....	59,917	59,347	65,435	6,106	9,598	13,291
Nevada .....	70,600	74,712	82,215	11,838	12,372	R14,974
New Hampshire .....	NA	13,051	13,152	1,753	2,472	3,335
New Jersey .....	330,433	278,603	301,984	38,292	51,816	R69,161
New Mexico .....	57,000	58,706	76,449	8,311	R9,612	R12,308
New York .....	NA	577,341	535,395	70,141	97,910	R135,907
North Carolina .....	121,670	112,066	97,339	15,078	18,041	22,499
North Dakota .....	NA	NA	20,026	2,036	NA	4,145
Ohio .....	468,701	427,801	455,855	45,127	65,208	R98,619
Oklahoma .....	171,530	183,164	189,488	27,639	28,858	R35,336
Oregon .....	87,034	97,556	101,787	12,170	13,724	R18,128
Pennsylvania .....	365,578	318,798	339,026	36,036	53,999	79,155
Rhode Island .....	37,152	NA	43,069	4,332	5,488	R8,281
South Carolina .....	72,270	84,594	62,709	9,960	12,063	12,731
South Dakota .....	NA	15,567	17,922	1,900	2,898	NA
Tennessee .....	139,055	128,798	133,855	14,991	18,283	R27,855
Texas .....	NA	1,524,470	1,698,764	286,868	257,473	R286,071
Utah .....	62,702	68,343	69,445	7,111	10,773	12,948
Vermont .....	4,878	4,589	4,629	584	901	1,057
Virginia .....	130,734	112,416	111,851	14,259	18,214	25,820
Washington .....	113,654	123,214	143,804	14,881	19,238	26,029
West Virginia .....	NA	53,371	52,863	NA	NA	NA
Wisconsin .....	212,180	197,367	197,828	19,035	31,946	R44,057
Wyoming .....	NA	NA	29,289	5,011	6,458	NA
<b>Total</b> .....	<b>9,658,253</b>	<b>9,566,303</b>	<b>9,811,705</b>	<b>1,344,194</b>	<b>R1,555,977</b>	<b>R1,993,179</b>

See footnotes at end of table.

# Table 19

**Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003**

(Million Cubic Feet) — Continued

State	2003		2002			
	February	January	Total	December	November	October
Alabama .....	33,335	39,207	343,292	30,557	22,700	22,814
Alaska .....	10,442	12,083	NA	11,842	10,432	11,018
Arizona .....	18,325	15,000	NA	17,855	NA	19,377
Arkansas .....	NA	NA	230,050	21,524	16,969	16,863
California .....	NA	183,615	2,170,184	204,019	164,074	173,962
Colorado .....	46,789	NA	NA	NA	NA	NA
Connecticut .....	18,502	19,791	NA	19,356	15,404	11,469
Delaware .....	5,644	6,587	NA	NA	NA	NA
District of Columbia .....	5,133	5,963	NA	NA	3,847	2,166
Florida .....	NA	NA	682,546	45,449	47,955	64,781
Georgia .....	40,802	56,016	377,404	47,996	33,237	24,482
Hawaii .....	237	251	2,734	236	227	215
Idaho .....	6,728	7,486	NA	7,000	5,945	4,159
Illinois .....	147,045	167,744	NA	131,534	100,701	74,222
Indiana .....	70,441	81,500	NA	67,310	49,031	36,740
Iowa .....	NA	31,082	215,148	27,101	22,082	14,427
Kansas .....	NA	33,725	NA	26,521	22,126	13,411
Kentucky .....	28,919	34,722	208,173	28,719	20,874	14,464
Louisiana .....	82,831	92,617	1,072,386	90,992	86,004	83,780
Maine .....	NA	7,979	NA	NA	NA	NA
Maryland .....	28,477	31,809	194,812	29,535	20,443	13,019
Massachusetts .....	50,201	47,541	393,528	46,570	34,256	27,414
Michigan .....	134,037	140,437	921,059	113,354	81,526	52,972
Minnesota .....	50,978	53,920	NA	44,554	36,880	27,027
Mississippi .....	26,242	32,364	NA	26,363	NA	21,949
Missouri .....	42,682	42,508	277,286	33,208	23,235	14,378
Montana .....	6,966	6,612	NA	NA	5,846	4,232
Nebraska .....	15,416	15,506	116,346	13,059	9,586	6,146
Nevada .....	14,820	16,595	175,652	16,547	14,856	13,809
New Hampshire .....	NA	3,654	NA	3,073	2,298	NA
New Jersey .....	84,064	87,100	NA	NA	51,661	36,862
New Mexico .....	12,898	13,872	117,096	11,854	8,593	6,955
New York .....	NA	146,036	1,252,651	127,625	108,822	83,041
North Carolina .....	31,608	34,444	244,399	27,643	19,524	15,550
North Dakota .....	4,580	5,456	NA	4,302	3,512	3,093
Ohio .....	122,265	137,482	827,680	110,089	77,530	53,404
Oklahoma .....	38,845	40,852	405,728	33,556	26,182	24,962
Oregon .....	19,508	23,505	194,884	19,937	16,690	14,126
Pennsylvania .....	94,456	101,931	633,580	84,690	59,116	40,901
Rhode Island .....	9,210	9,842	NA	9,042	7,539	5,503
South Carolina .....	17,478	20,038	183,532	16,496	12,476	11,018
South Dakota .....	NA	NA	28,974	3,598	3,230	2,114
Tennessee .....	36,960	40,965	NA	31,321	20,128	13,407
Texas .....	NA	329,281	NA	277,711	NA	264,433
Utah .....	15,982	15,888	132,538	15,752	13,333	10,897
Vermont .....	1,188	1,148	8,281	999	797	478
Virginia .....	32,389	40,052	NA	32,253	NA	NA
Washington .....	25,609	27,897	232,413	25,662	21,060	15,396
West Virginia .....	14,819	15,277	103,165	12,763	9,833	6,788
Wisconsin .....	55,316	61,826	381,114	49,635	39,144	28,492
Wyoming .....	7,100	NA	NA	7,532	6,844	5,936
<b>Total .....</b>	<b>R2,300,197</b>	<b>R2,464,706</b>	<b>R20,860,452</b>	<b>2,157,755</b>	<b>R1,732,236</b>	<b>R1,480,902</b>

See footnotes at end of table.

**Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003**  
 (Million Cubic Feet) — Continued

State	2002					
	September	August	July	June	May	April
Alabama .....	27,565	30,709	29,978	27,482	23,870	26,183
Alaska .....	9,896	10,199	11,007	NA	NA	10,482
Arizona .....	17,504	17,696	19,311	16,485	14,438	14,248
Arkansas .....	16,801	17,600	17,198	16,947	15,335	19,058
California .....	174,402	184,580	193,302	160,625	153,357	159,717
Colorado .....	NA	NA	NA	NA	NA	NA
Connecticut .....	12,152	13,276	13,054	10,956	12,520	NA
Delaware .....	NA	4,322	6,834	3,016	3,114	4,231
District of Columbia .....	1,190	1,152	1,137	1,143	1,528	2,045
Florida .....	65,361	70,196	67,594	62,626	58,344	56,644
Georgia .....	24,436	28,680	28,366	24,766	23,198	24,061
Hawaii .....	224	222	239	224	226	234
Idaho .....	3,313	NA	NA	3,584	4,567	5,692
Illinois .....	43,246	50,730	NA	49,236	61,100	93,385
Indiana .....	27,853	NA	30,217	27,276	32,202	44,407
Iowa .....	10,475	9,963	9,817	10,114	13,401	18,695
Kansas .....	16,192	NA	17,992	14,103	13,865	17,372
Kentucky .....	10,919	10,505	12,871	11,299	12,182	14,375
Louisiana .....	86,539	94,783	93,379	88,401	84,631	87,619
Maine .....	7,431	7,757	NA	NA	NA	NA
Maryland .....	10,519	12,482	10,441	8,883	8,919	12,619
Massachusetts .....	25,912	25,475	22,115	23,872	29,148	31,716
Michigan .....	40,416	47,177	52,007	52,426	63,615	86,554
Minnesota .....	15,053	NA	16,535	15,069	21,577	28,735
Mississippi .....	27,332	33,147	37,557	31,012	25,350	28,352
Missouri .....	11,933	13,689	15,546	13,273	16,373	24,540
Montana .....	2,657	2,253	2,221	2,913	4,023	NA
Nebraska .....	6,818	7,520	8,910	4,960	6,627	10,315
Nevada .....	13,996	14,624	14,039	13,071	11,819	11,155
New Hampshire .....	NA	NA	941	NA	1,863	2,201
New Jersey .....	34,370	NA	NA	34,205	35,689	46,321
New Mexico .....	6,530	7,763	9,050	7,646	7,782	9,599
New York .....	83,935	97,894	90,267	83,727	83,721	104,279
North Carolina .....	15,156	19,403	18,922	16,135	14,532	18,048
North Dakota .....	1,553	NA	1,479	NA	2,428	3,079
Ohio .....	36,105	38,907	41,712	42,132	53,355	71,359
Oklahoma .....	31,887	40,177	36,156	29,644	26,931	34,615
Oregon .....	13,141	12,368	9,540	11,526	12,786	14,670
Pennsylvania .....	30,451	33,560	32,401	33,662	38,723	54,038
Rhode Island .....	5,410	5,600	5,687	5,628	6,234	6,797
South Carolina .....	11,703	15,871	16,345	15,029	14,946	14,556
South Dakota .....	1,017	890	1,399	1,159	1,634	2,602
Tennessee .....	11,168	12,627	12,436	NA	13,905	19,739
Texas .....	296,066	348,012	357,720	334,502	300,200	320,744
Utah .....	7,123	5,979	5,589	5,523	7,465	8,370
Vermont .....	341	329	324	422	569	804
Virginia .....	14,745	18,113	18,050	15,150	14,749	17,069
Washington .....	12,849	11,725	10,549	11,958	15,835	21,072
West Virginia .....	4,692	5,312	5,033	5,373	7,032	8,734
Wisconsin .....	16,887	16,364	16,913	16,314	24,361	31,852
Wyoming .....	4,462	4,039	NA	4,289	5,395	NA
<b>Total .....</b>	<b>1,379,870</b>	<b>1,539,854</b>	<b>1,577,034</b>	<b>1,426,499</b>	<b>1,448,754</b>	<b>1,705,981</b>

See footnotes at end of table.

**Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003**

(Million Cubic Feet) — Continued

State	2002			2001		
	March	February	January	Total	December	November
Alabama .....	31,929	33,273	36,232	299,529	25,740	23,645
Alaska .....	11,259	11,497	12,702	132,428	13,523	11,926
Arizona .....	NA	19,930	19,942	218,484	19,526	12,349
Arkansas .....	22,293	24,963	24,498	217,640	22,233	19,675
California .....	200,926	181,502	219,717	2,398,461	213,731	174,852
Colorado .....	NA	NA	NA	332,075	36,430	23,228
Connecticut .....	NA	NA	19,376	143,183	15,375	12,339
Delaware .....	5,296	5,320	5,804	50,044	3,419	3,908
District of Columbia .....	3,678	4,192	4,776	29,493	2,737	2,088
Florida .....	50,985	41,980	50,631	533,855	47,598	42,205
Georgia .....	33,778	39,934	44,471	343,212	34,451	23,984
Hawaii .....	225	226	236	2,818	225	217
Idaho .....	7,960	8,660	8,836	73,655	8,984	7,528
Illinois .....	124,409	119,301	131,204	940,403	115,418	74,519
Indiana .....	58,059	58,667	65,424	494,360	51,997	39,146
Iowa .....	25,611	24,856	28,605	215,309	23,400	16,864
Kansas .....	25,482	24,967	29,140	224,347	20,634	14,263
Kentucky .....	22,940	24,179	24,845	191,531	23,216	16,271
Louisiana .....	94,445	88,133	93,678	1,067,867	92,641	85,017
Maine .....	7,776	7,309	7,995	94,569	9,127	9,644
Maryland .....	20,768	22,880	24,303	181,626	17,772	13,988
Massachusetts .....	41,371	41,686	43,993	345,791	31,456	24,646
Michigan .....	103,592	108,258	119,161	874,325	92,054	71,352
Minnesota .....	NA	36,109	42,111	321,875	38,521	25,780
Mississippi .....	32,928	31,923	34,832	298,263	28,355	24,652
Missouri .....	34,810	36,000	40,301	281,763	29,876	18,230
Montana .....	7,167	6,773	7,648	54,476	6,696	5,081
Nebraska .....	12,693	13,835	15,877	118,890	11,012	10,730
Nevada .....	15,996	17,060	18,682	175,505	17,842	12,525
New Hampshire .....	2,946	2,984	3,058	23,373	2,520	1,904
New Jersey .....	58,180	65,385	73,028	560,887	54,229	42,514
New Mexico .....	12,946	14,126	14,254	146,581	13,069	9,364
New York .....	124,184	128,994	136,164	1,165,279	117,809	85,604
North Carolina .....	24,435	26,037	29,015	196,507	19,179	15,898
North Dakota .....	NA	3,946	5,001	38,787	4,459	3,065
Ohio .....	95,800	99,805	107,482	784,974	86,903	59,755
Oklahoma .....	38,870	41,877	40,872	441,965	37,151	30,479
Oregon .....	21,361	22,285	26,454	218,457	22,088	18,230
Pennsylvania .....	71,655	72,738	81,644	595,675	63,086	46,617
Rhode Island .....	NA	8,949	10,617	95,288	9,231	6,918
South Carolina .....	16,619	17,888	20,585	138,846	12,725	11,334
South Dakota .....	3,902	3,497	3,932	30,753	3,617	2,126
Tennessee .....	27,347	31,383	36,423	242,044	23,233	19,007
Texas .....	301,308	276,497	325,721	3,985,395	306,415	283,703
Utah .....	15,015	17,435	20,057	134,650	18,505	11,646
Vermont .....	954	1,143	1,120	7,905	827	658
Virginia .....	22,773	26,593	31,232	228,413	23,733	21,748
Washington .....	27,499	28,051	30,757	303,411	37,503	30,230
West Virginia .....	11,760	12,308	13,537	103,414	11,602	9,287
Wisconsin .....	48,191	43,495	49,468	356,712	41,411	26,978
Wyoming .....	NA	5,991	8,500	60,375	6,170	5,518
<b>Total</b> .....	<b>2,069,538</b>	<b>2,047,917</b>	<b>2,294,113</b>	<b>20,533,988</b>	<b>1,970,692</b>	<b>1,564,429</b>

<sup>R</sup> Revised Data.

NA Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 7 for discussion of computations and revision policy.

**Sources:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-906, "Power Plant Report."

**Table 20. Average City Gate Price, by State, 2001-2003**

(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003				
				May	April	March	February	January
Alabama .....	5.63	4.66	7.36	6.76	6.04	7.55	5.19	4.66
Alaska .....	2.32	2.41	2.36	2.37	2.36	2.30	2.22	2.35
Arizona .....	4.66	3.55	6.26	4.78	4.22	5.21	4.74	4.32
Arkansas .....	NA	5.11	6.41	6.94	NA	NA	NA	NA
California .....	NA	2.95	9.07	5.05	4.75	6.68	4.89	NA
Colorado .....	4.46	2.75	5.46	5.76	4.21	4.90	4.49	3.62
Connecticut .....	6.46	NA	9.91	5.58	5.26	7.49	5.89	7.33
Delaware .....	5.58	5.06	6.62	5.31	5.67	6.37	5.37	5.11
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	6.02	3.58	7.37	5.80	5.86	7.20	5.83	5.49
Georgia .....	6.54	3.66	7.57	6.45	6.07	8.66	6.46	5.88
Hawaii .....	8.83	6.34	8.16	9.53	9.84	8.72	8.30	7.89
Idaho .....	3.75	3.59	5.94	4.78	4.12	4.28	3.20	3.29
Illinois .....	NA	3.41	7.30	5.68	5.12	8.69	6.55	NA
Indiana .....	NA	3.46	5.75	5.74	5.96	8.14	6.21	NA
Iowa .....	6.32	3.60	7.56	6.37	6.96	8.15	5.83	5.30
Kansas .....	6.28	3.99	8.05	5.95	6.30	8.61	5.67	5.33
Kentucky .....	5.80	4.42	7.66	6.07	6.78	7.30	5.71	4.98
Louisiana .....	NA	3.53	7.36	5.68	4.49	NA	NA	5.51
Maine .....	5.58	3.97	7.06	6.08	4.39	6.97	5.70	4.90
Maryland .....	6.93	4.43	7.89	6.98	6.83	8.93	6.90	5.92
Massachusetts .....	7.70	4.26	7.43	6.67	7.05	10.15	7.17	7.16
Michigan .....	5.21	4.30	4.19	5.21	4.95	6.58	4.86	4.38
Minnesota .....	6.10	3.59	7.15	5.06	5.56	8.48	5.89	5.09
Mississippi .....	NA	3.94	7.43	5.77	5.81	NA	NA	5.24
Missouri .....	5.86	4.08	7.45	7.12	6.18	8.39	5.22	4.75
Montana .....	5.08	2.85	5.36	4.94	4.68	6.17	5.18	4.61
Nebraska .....	5.76	3.81	7.65	6.42	6.16	7.38	5.19	4.78
Nevada .....	5.30	4.26	5.82	6.48	6.72	6.65	4.09	4.04
New Hampshire .....	NA	4.22	5.25	5.95	NA	8.42	NA	NA
New Jersey .....	7.06	4.74	7.65	7.10	7.01	9.29	6.61	6.08
New Mexico .....	NA	2.51	5.20	4.04	NA	NA	NA	NA
New York .....	NA	3.79	6.51	5.71	5.46	7.25	NA	5.41
North Carolina .....	6.84	4.03	8.25	7.34	7.17	9.58	6.24	5.67
North Dakota .....	5.52	3.42	6.80	5.47	5.00	7.00	5.21	4.89
Ohio .....	6.79	4.57	9.38	4.55	6.74	7.32	7.05	6.01
Oklahoma .....	5.67	4.06	7.58	6.04	5.45	7.81	5.30	4.84
Oregon .....	4.63	5.14	4.85	5.19	4.97	4.25	4.37	4.64
Pennsylvania .....	6.44	NA	7.40	7.01	7.85	7.72	6.13	5.44
Rhode Island .....	6.15	4.36	7.00	8.31	6.44	8.98	5.98	4.35
South Carolina .....	6.77	4.75	7.25	7.06	6.66	9.45	6.28	5.72
South Dakota .....	6.23	4.10	8.02	6.62	7.07	8.50	5.38	5.03
Tennessee .....	6.07	4.01	7.42	5.59	5.63	7.68	6.14	5.45
Texas .....	NA	3.58	7.13	4.87	5.03	7.54	NA	4.90
Utah .....	4.51	4.21	6.00	3.62	3.76	4.32	5.12	4.97
Vermont .....	5.25	4.98	5.09	5.30	5.17	4.73	5.52	5.43
Virginia .....	6.39	NA	7.28	7.85	6.92	6.69	6.56	5.65
Washington .....	5.06	3.58	6.80	5.35	4.82	6.44	4.48	4.48
West Virginia .....	NA	4.00	4.67	NA	NA	NA	NA	NA
Wisconsin .....	6.19	3.79	7.23	6.74	6.11	8.36	5.73	5.03
Wyoming .....	2.44	3.82	7.56	2.01	1.90	2.98	2.59	2.47
<b>Total .....</b>	<b>5.98</b>	<b>3.96</b>	<b>7.16</b>	<b>5.66</b>	<b>5.66</b>	<b>7.59</b>	<b>5.88</b>	<b>5.26</b>

See footnotes at end of table.

**Table 20. Average City Gate Price, by State, 2001-2003**

(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	Total	December	November	October	September	August	July	June
Alabama .....	4.74	4.57	4.97	5.05	4.69	4.81	5.18	5.22
Alaska .....	NA	2.44	NA	2.27	2.39	NA	2.38	2.31
Arizona .....	3.79	4.12	3.92	3.77	4.32	4.26	4.16	3.78
Arkansas .....	5.17	5.41	5.21	5.07	4.89	5.10	5.58	4.75
California .....	NA	NA	4.04	3.35	2.86	2.82	3.10	2.98
Colorado .....	2.67	3.28	3.01	2.08	1.70	1.59	1.95	3.65
Connecticut .....	NA	6.55	6.48	6.32	NA	6.54	7.17	6.97
Delaware .....	NA	4.38	NA	8.54	5.32	4.32	5.38	NA
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	3.90	4.83	4.74	4.27	3.66	3.47	4.29	3.78
Georgia .....	4.58	5.36	5.67	5.53	5.27	4.85	5.19	5.27
Hawaii .....	7.17	7.90	8.20	7.78	7.76	7.53	7.66	7.62
Idaho .....	NA	3.10	3.11	3.43	NA	NA	6.28	4.71
Illinois .....	3.68	3.10	4.51	4.49	4.68	3.30	3.76	3.96
Indiana .....	3.58	4.10	4.31	3.66	2.96	2.29	2.60	3.80
Iowa .....	4.15	5.11	4.79	4.41	4.17	5.08	5.01	4.86
Kansas .....	4.11	5.26	5.07	3.89	3.47	3.21	3.63	4.39
Kentucky .....	4.45	4.72	4.71	4.35	3.91	4.17	3.77	3.97
Louisiana .....	NA	5.12	NA	4.46	4.37	3.59	3.82	4.10
Maine .....	4.03	4.56	4.61	3.87	3.15	3.73	3.49	3.76
Maryland .....	^4.87	5.47	5.24	5.44	4.43	^5.04	5.69	5.46
Massachusetts .....	NA	NA	4.61	5.15	6.26	7.38	7.41	7.35
Michigan .....	4.10	4.18	4.11	3.87	3.96	3.68	3.84	3.93
Minnesota .....	NA	5.08	4.91	4.08	3.96	NA	3.98	4.13
Mississippi .....	^4.10	4.49	^4.93	4.31	3.92	3.01	3.78	4.18
Missouri .....	4.56	4.78	4.92	4.89	5.79	5.60	6.43	6.44
Montana .....	2.98	4.82	3.70	2.86	2.53	2.00	1.75	2.16
Nebraska .....	4.09	4.88	4.59	4.03	3.98	4.08	4.02	4.17
Nevada .....	4.39	4.68	4.45	4.33	4.87	5.18	4.61	3.99
New Hampshire .....	NA	NA	3.59	3.97	3.59	3.37	3.50	3.22
New Jersey .....	5.31	5.87	5.96	5.98	5.75	5.11	5.65	5.90
New Mexico .....	2.91	4.04	3.58	2.96	2.20	2.57	2.55	2.17
New York .....	^3.87	5.21	4.63	4.13	^2.91	3.10	3.21	3.47
North Carolina .....	4.52	5.20	5.15	4.86	4.75	4.48	4.54	4.92
North Dakota .....	^3.70	5.38	4.42	3.19	3.56	^2.95	2.42	3.27
Ohio .....	4.72	5.00	4.84	7.24	4.34	2.48	3.69	5.29
Oklahoma .....	4.23	4.56	4.79	4.29	4.01	3.34	3.51	3.48
Oregon .....	NA	4.69	4.76	5.43	NA	NA	NA	NA
Pennsylvania .....	NA	5.20	5.12	5.46	NA	4.56	5.88	5.73
Rhode Island .....	4.79	4.47	5.09	6.02	7.01	5.03	5.99	5.82
South Carolina .....	4.91	4.89	4.96	5.21	5.19	5.03	5.11	5.35
South Dakota .....	4.21	5.13	4.23	3.32	3.71	4.25	3.97	4.89
Tennessee .....	4.13	4.80	4.46	4.01	3.69	3.66	3.82	3.83
Texas .....	NA	4.29	NA	4.35	3.54	3.63	3.44	3.69
Utah .....	4.07	4.56	3.81	3.53	3.93	2.55	3.48	4.00
Vermont .....	4.85	4.54	4.30	4.43	5.14	5.53	5.13	5.31
Virginia .....	NA	5.52	4.73	5.41	5.98	5.00	5.87	6.28
Washington .....	3.83	4.24	4.45	3.51	3.81	3.80	4.34	4.73
West Virginia .....	4.30	3.89	4.64	4.45	5.84	6.64	6.61	6.66
Wisconsin .....	4.36	4.90	5.01	4.58	5.59	5.76	5.89	5.65
Wyoming .....	NA	NA	NA	NA	3.99	3.16	NA	2.59
<b>Total .....</b>	<b>4.14</b>	<b>4.69</b>	<b>^4.62</b>	<b>4.29</b>	<b>^3.96</b>	<b>3.62</b>	<b>3.92</b>	<b>4.14</b>

See footnotes at end of table.

**Table 20. Average City Gate Price, by State, 2001-2003**

(Dollars per Thousand Cubic Feet) — Continued

State	2002					2001		
	May	April	March	February	January	Total	December	November
Alabama .....	4.89	4.37	4.49	4.80	4.71	6.63	4.99	4.99
Alaska .....	2.34	2.39	2.41	2.41	2.44	2.32	2.34	2.30
Arizona .....	3.80	3.70	3.74	3.35	3.41	5.02	3.25	4.35
Arkansas .....	4.97	5.08	5.16	5.20	5.02	6.11	5.67	2.60
California .....	3.18	3.85	2.76	2.42	2.68	6.64	2.80	3.15
Colorado .....	2.38	2.87	3.15	2.58	2.64	4.25	2.93	3.05
Connecticut .....	6.74	NA	5.71	NA	6.72	8.12	5.07	6.30
Delaware .....	5.40	5.80	6.70	4.07	4.47	5.16	4.39	4.05
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	3.95	4.01	3.51	3.27	3.35	5.28	3.41	3.58
Georgia .....	6.39	3.70	3.18	4.21	2.44	6.02	3.77	4.28
Hawaii .....	6.66	6.44	6.03	6.10	6.49	7.86	6.95	7.53
Idaho .....	3.43	3.36	3.56	3.53	3.77	4.85	3.74	3.85
Illinois .....	3.53	3.93	3.13	3.16	3.52	5.54	3.48	3.56
Indiana .....	3.61	3.89	3.37	3.33	3.37	4.50	3.60	3.90
Iowa .....	4.21	4.03	3.51	3.39	3.46	5.92	2.09	3.60
Kansas .....	4.26	4.77	3.98	3.80	3.65	6.06	3.92	4.35
Kentucky .....	4.65	5.47	4.06	4.69	4.08	6.32	4.85	4.82
Louisiana .....	4.07	3.80	3.23	3.22	3.91	5.55	3.84	4.78
Maine .....	3.42	3.37	3.99	4.79	4.02	6.82	11.96	7.35
Maryland .....	5.34	5.30	4.18	4.44	4.06	6.78	4.61	5.47
Massachusetts .....	5.56	4.23	4.29	4.24	3.80	6.64	4.32	5.81
Michigan .....	3.94	3.51	4.76	4.45	4.54	4.08	3.54	3.74
Minnesota .....	3.83	3.54	3.64	3.65	3.42	5.84	4.02	4.73
Mississippi .....	3.88	4.42	3.62	3.76	4.14	6.00	4.12	4.41
Missouri .....	5.46	4.94	4.03	3.97	3.65	6.33	3.61	4.67
Montana .....	2.76	3.05	2.72	2.64	3.09	3.93	2.41	3.12
Nebraska .....	4.36	4.31	3.63	3.58	3.77	6.23	3.66	4.13
Nevada .....	3.81	4.35	4.48	4.27	4.20	5.06	4.18	4.98
New Hampshire .....	3.43	4.37	3.88	3.14	7.84	4.30	4.35	3.26
New Jersey .....	5.74	4.48	4.97	4.84	4.31	6.41	4.27	5.47
New Mexico .....	2.42	2.90	2.44	2.23	2.71	3.99	2.41	2.77
New York .....	3.59	3.57	3.98	3.47	4.19	4.71	3.84	2.22
North Carolina .....	4.39	4.51	3.81	3.72	4.06	6.74	4.11	4.73
North Dakota .....	3.63	3.54	3.23	3.26	3.54	4.82	2.51	4.34
Ohio .....	7.73	6.27	5.17	4.28	3.63	8.25	4.89	5.42
Oklahoma .....	3.93	4.14	3.79	4.07	3.92	6.48	4.49	5.10
Oregon .....	5.69	5.46	5.17	5.10	4.75	5.04	5.39	5.41
Pennsylvania .....	5.62	NA	4.91	5.20	4.44	6.68	5.20	5.03
Rhode Island .....	5.40	5.08	4.18	4.07	4.08	6.40	4.14	5.28
South Carolina .....	5.35	5.23	4.39	4.30	4.96	6.16	4.95	5.03
South Dakota .....	4.10	4.98	3.69	4.04	4.10	6.21	2.05	3.94
Tennessee .....	4.13	3.50	3.78	3.99	4.35	6.11	4.13	4.79
Texas .....	4.19	4.13	3.29	3.25	3.61	5.13	3.28	3.83
Utah .....	3.54	3.60	4.18	4.54	4.34	5.61	5.01	4.69
<b>Total .....</b>	<b>4.07</b>	<b>4.17</b>	<b>3.85</b>	<b>3.77</b>	<b>4.04</b>	<b>5.72</b>	<b>3.90</b>	<b>4.02</b>

R Revised Data.

NA Not Available.

— Not Applicable.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the

point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 9 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 21. Average Price of Natural Gas Sold to Residential Consumers, by State, 2001-2003**  
(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003				
				May	April	March	February	January
Alabama .....	10.60	10.06	11.50	15.56	14.08	11.18	9.45	9.40
Alaska .....	4.32	4.34	4.18	4.62	4.31	4.33	4.33	4.20
Arizona .....	10.36	11.93	9.29	12.34	11.12	10.24	10.18	9.65
Arkansas .....	NA	8.94	10.49	14.37	NA	NA	NA	NA
California .....	9.09	6.76	12.91	9.05	9.26	9.53	8.83	8.87
Colorado .....	5.43	5.34	8.50	8.24	7.39	5.59	4.45	4.57
Connecticut .....	12.89	NA	12.57	15.39	14.15	14.52	11.57	11.71
Delaware .....	9.91	10.89	8.53	12.31	10.84	10.69	9.59	8.67
District of Columbia .....	12.77	10.95	13.18	14.95	13.60	13.73	13.40	11.24
Florida .....	15.45	12.66	15.65	19.48	18.24	17.64	14.03	13.14
Georgia .....	11.26	9.59	11.16	14.09	14.14	13.06	11.09	9.52
Hawaii .....	25.40	23.34	22.39	26.60	26.24	25.60	24.88	23.82
Idaho .....	6.77	8.96	8.02	7.06	6.94	6.76	6.67	6.64
Illinois .....	8.32	5.38	10.86	10.76	9.64	10.19	7.37	7.08
Indiana .....	9.35	6.99	10.08	11.39	11.49	10.96	8.65	8.06
Iowa .....	8.70	5.99	9.91	10.55	10.33	9.83	7.73	7.75
Kansas .....	7.86	7.76	9.46	11.33	9.81	7.86	7.33	6.88
Kentucky .....	8.17	7.28	10.03	12.77	10.53	8.90	7.52	7.33
Louisiana .....	NA	7.20	11.33	12.09	10.27	NA	NA	8.38
Maine .....	11.85	11.24	11.93	15.50	13.56	12.00	11.77	9.87
Maryland .....	10.82	9.25	12.15	13.81	12.06	10.97	9.50	9.19
Massachusetts .....	12.19	9.61	12.70	13.92	14.18	12.40	11.33	11.09
Michigan .....	6.58	6.06	5.31	7.95	7.27	6.61	6.21	6.13
Minnesota .....	8.38	6.08	10.01	8.82	7.91	10.89	7.79	7.25
Mississippi .....	NA	6.94	10.87	10.91	9.26	NA	NA	8.89
Missouri .....	8.46	7.28	10.31	11.70	9.67	8.49	8.01	7.75
Montana .....	6.26	5.33	7.36	6.71	7.08	6.32	6.02	5.84
Nebraska .....	7.39	5.51	9.23	8.29	8.63	8.27	6.68	6.52
Nevada .....	8.47	9.44	8.22	9.55	9.15	8.25	8.31	7.99
New Hampshire .....	10.03	9.55	12.29	11.97	10.44	9.81	9.63	R9.69
New Jersey .....	7.83	7.00	7.24	8.64	8.52	7.91	7.62	7.42
New Mexico .....	NA	6.12	7.58	9.23	NA	R8.40	R7.29	R6.66
New York .....	NA	9.20	11.62	12.68	11.97	11.46	NA	9.41
North Carolina .....	10.26	8.52	12.50	14.02	12.10	11.03	9.35	9.34
North Dakota .....	7.00	4.91	9.13	8.19	7.96	8.07	6.39	6.11
Ohio .....	8.54	7.10	10.14	9.07	9.84	8.93	8.41	7.78
Oklahoma .....	7.67	7.59	9.57	11.40	9.18	7.67	7.55	6.37
Oregon .....	9.32	10.59	9.05	9.27	9.46	9.34	9.33	9.23
Pennsylvania .....	10.18	8.70	11.30	12.42	11.29	10.07	9.45	9.45
Rhode Island .....	11.08	11.40	11.65	13.38	11.18	10.78	10.66	10.81
South Carolina .....	11.25	9.63	12.42	13.51	12.91	12.37	10.46	R10.34
South Dakota .....	8.11	6.29	9.90	9.54	9.61	8.92	7.63	6.92
Tennessee .....	9.42	7.44	10.57	10.54	9.75	9.79	9.33	9.07
Texas .....	NA	6.13	9.71	11.00	10.55	9.74	NA	6.92
Utah .....	6.75	6.22	8.47	6.68	6.15	6.85	6.61	7.16
Vermont .....	9.42	10.13	9.35	10.28	9.60	9.29	9.23	9.33
Virginia .....	NA	9.05	12.03	16.35	12.76	13.60	NA	9.27
Washington .....	NA	9.71	9.54	8.68	7.78	7.44	NA	7.46
West Virginia .....	NA	NA	7.54	NA	NA	NA	NA	NA
Wisconsin .....	9.22	6.90	9.92	9.07	9.39	11.45	8.64	8.23
Wyoming .....	6.20	5.43	8.62	7.88	6.57	5.81	5.94	6.02
<b>Total .....</b>	<b>8.97</b>	<b>7.40</b>	<b>10.17</b>	<b>10.55</b>	<b>10.02</b>	<b>9.71</b>	<b>R8.42</b>	<b>8.07</b>

See footnotes at end of table.

**Table 21. Average Price of Natural Gas Sold to Residential Consumers, by State, 2001-2003**

(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	Total	December	November	October	September	August	July	June
Alabama .....	10.57	9.44	11.47	14.52	14.37	14.52	14.40	12.98
Alaska .....	NA	4.31	4.26	4.31	4.56	4.94	5.17	NA
Arizona .....	12.36	10.42	12.46	15.00	16.03	16.37	16.04	14.59
Arkansas .....	8.95	8.66	8.30	8.75	10.06	10.09	10.17	10.01
California .....	7.09	7.73	7.87	7.50	7.26	7.15	7.20	7.16
Colorado .....	5.40	4.48	4.64	5.08	7.76	9.31	9.06	9.07
Connecticut .....	NA	11.10	10.98	11.89	14.52	12.46	15.04	12.56
Delaware .....	11.05	9.41	10.61	13.72	15.71	15.95	14.97	13.64
District of Columbia .....	11.19	10.71	11.58	11.77	15.60	11.36	11.55	11.59
Florida .....	13.91	13.05	15.94	16.89	17.09	16.96	16.53	15.73
Georgia .....	9.92	9.07	8.37	11.29	13.81	13.98	14.73	13.40
Hawaii .....	23.10	18.44	22.93	19.51	24.67	26.27	24.92	23.67
Idaho .....	8.42	6.76	7.11	7.58	7.94	8.63	9.56	9.74
Illinois .....	6.32	6.84	7.12	7.40	9.52	10.07	10.27	10.00
Indiana .....	NA	7.82	7.78	7.58	10.95	11.35	NA	NA
Iowa .....	7.05	7.77	7.45	8.45	12.51	13.51	13.02	10.49
Kansas .....	8.06	7.00	7.24	10.12	12.12	12.61	12.64	11.69
Kentucky .....	7.56	7.05	7.12	9.05	10.44	11.28	11.32	9.65
Louisiana .....	NA	8.59	10.55	10.91	NA	8.89	8.83	8.12
Maine .....	NA	13.09	12.18	11.66	12.43	14.04	13.74	NA
Maryland .....	9.71	9.15	9.21	10.35	12.72	14.78	14.77	13.24
Massachusetts .....	NA	NA	9.81	9.75	11.64	12.05	10.96	9.76
Michigan .....	6.32	6.04	6.25	7.02	8.85	9.20	8.65	7.18
Minnesota .....	NA	7.05	7.19	6.60	7.85	NA	8.38	7.84
Mississippi .....	NA	7.41	NA	9.87	8.22	7.65	7.94	8.46
Missouri .....	7.94	7.75	7.97	10.09	12.47	13.46	12.69	10.71
Montana .....	5.27	4.98	4.65	4.87	6.06	6.84	6.35	5.85
Nebraska .....	6.12	6.30	6.43	7.65	9.48	9.83	9.54	8.49
Nevada .....	9.69	8.64	9.80	10.96	11.36	11.85	11.45	10.78
New Hampshire .....	9.90	9.96	9.23	11.05	12.08	13.24	12.22	10.30
New Jersey .....	7.26	7.34	7.48	8.24	8.08	8.15	8.02	7.67
New Mexico .....	6.60	6.32	6.53	8.24	9.56	9.78	9.65	9.07
New York .....	9.76	9.20	9.78	11.57	13.12	13.47	12.42	11.89
North Carolina .....	9.36	9.40	9.53	11.53	14.85	16.04	15.20	13.50
North Dakota .....	NA	5.41	5.13	4.44	6.43	NA	7.74	7.37
Ohio .....	7.52	7.59	7.82	8.52	10.41	10.60	8.97	8.07
Oklahoma .....	NA	7.18	7.84	9.74	10.77	10.59	NA	9.68
Oregon .....	10.55	9.32	9.59	11.25	12.77	13.14	12.29	11.55
Pennsylvania .....	9.43	9.17	9.43	11.86	14.02	14.49	13.49	11.90
Rhode Island .....	11.39	8.58	11.68	13.41	15.00	15.71	14.57	12.72
South Carolina .....	10.02	10.26	10.92	11.34	11.87	11.70	11.27	10.75
South Dakota .....	6.77	7.47	6.39	6.55	9.32	10.26	10.81	9.45
Tennessee .....	7.87	8.00	8.08	9.67	10.47	10.92	10.72	9.77
Texas .....	NA	6.99	NA	9.08	10.76	10.84	10.53	10.32
Utah .....	6.38	6.77	6.33	5.59	7.48	7.53	7.22	7.10
Vermont .....	10.39	9.45	9.82	11.77	14.04	14.29	13.59	11.84
Virginia .....	9.71	9.19	8.90	11.15	15.67	12.92	16.41	16.98
Washington .....	9.35	7.47	8.19	9.29	10.46	10.56	10.42	10.17
West Virginia .....	NA	7.84	8.08	8.87	11.63	12.85	11.93	12.02
Wisconsin .....	7.37	8.02	8.21	6.88	8.54	8.95	8.99	8.39
Wyoming .....	NA	4.20	5.02	5.18	7.43	10.14	NA	6.59
<b>Total .....</b>	<b>7.86</b>	<b>7.80</b>	<b>7.98</b>	<b>8.56</b>	<b>10.19</b>	<b>10.40</b>	<b>10.15</b>	<b>9.57</b>

See footnotes at end of table.

**Table 21. Average Price of Natural Gas Sold to Residential Consumers, by State, 2001-2003**

(Dollars per Thousand Cubic Feet) — Continued

State	2002					2001		
	May	April	March	February	January	Total	December	November
Alabama .....	13.39	11.07	9.40	10.06	9.58	12.06	11.85	11.92
Alaska .....	4.50	4.33	4.31	4.27	4.39	4.23	4.10	4.05
Arizona .....	13.73	12.26	12.27	11.41	11.67	10.51	11.55	13.33
Arkansas .....	9.70	9.22	8.74	8.86	8.89	10.03	8.32	8.74
California .....	7.29	6.84	5.99	6.67	7.11	10.43	6.08	5.88
Colorado .....	6.81	5.90	5.45	4.73	5.25	8.36	5.32	6.14
Connecticut .....	12.17	11.12	10.11	NA	10.88	12.20	10.56	10.92
Delaware .....	12.31	11.18	10.81	10.75	10.53	9.06	9.32	9.62
District of Columbia .....	11.87	12.76	10.88	10.23	10.78	12.65	11.11	10.97
Florida .....	15.15	13.81	12.28	11.75	12.16	15.73	13.64	14.57
Georgia .....	13.37	11.78	9.52	8.72	9.00	10.58	7.69	10.15
Hawaii .....	23.59	23.17	23.21	23.30	23.44	22.55	23.88	24.02
Idaho .....	9.34	9.16	8.96	8.79	8.88	8.48	8.96	9.15
Illinois .....	7.89	5.62	5.05	5.01	5.07	9.04	5.10	5.45
Indiana .....	8.89	7.67	6.37	6.58	6.90	9.57	6.45	7.68
Iowa .....	7.52	6.43	5.90	5.71	5.60	8.90	4.25	6.93
Kansas .....	10.43	8.69	7.39	7.15	7.54	9.38	7.30	8.48
Kentucky .....	10.15	7.47	6.25	7.51	7.35	9.54	7.25	7.60
Louisiana .....	9.30	7.96	6.87	6.94	6.89	10.47	7.96	8.28
Maine .....	10.51	11.69	11.55	11.42	10.75	12.31	9.80	14.53
Maryland .....	11.83	10.55	9.05	8.34	9.16	11.66	9.32	9.78
Massachusetts .....	9.05	9.62	9.72	9.46	9.88	12.80	11.28	11.92
Michigan .....	6.52	6.14	6.11	6.07	5.78	5.77	5.93	5.97
Minnesota .....	6.62	6.80	5.87	5.75	5.98	8.74	5.81	6.91
Mississippi .....	8.77	7.83	6.37	7.04	6.66	10.32	8.27	7.98
Missouri .....	8.89	7.40	6.91	7.25	7.18	10.47	7.59	10.37
Montana .....	5.16	5.23	4.98	5.35	5.77	7.26	6.33	6.59
Nebraska .....	7.11	5.81	5.19	5.26	5.40	8.71	6.18	6.54
Nevada .....	10.55	9.64	9.20	9.07	9.53	8.96	8.23	11.16
New Hampshire .....	10.15	9.88	9.57	9.46	9.17	12.75	11.84	14.17
New Jersey .....	6.72	6.71	6.95	6.91	7.35	7.70	8.14	8.45
New Mexico .....	7.77	5.23	4.45	8.13	5.51	7.32	5.15	5.97
New York .....	10.01	9.41	9.20	8.74	9.12	11.75	10.89	11.16
North Carolina .....	11.06	8.79	8.02	8.59	8.33	12.34	10.48	10.19
North Dakota .....	6.07	5.30	4.52	4.71	4.82	7.68	4.86	5.15
Ohio .....	7.17	6.99	6.77	7.22	7.29	9.67	7.12	7.30
Oklahoma .....	9.02	7.54	7.48	7.61	7.38	9.58	7.33	9.13
Oregon .....	10.61	10.73	10.61	10.55	10.49	9.70	10.57	10.83
Pennsylvania .....	10.25	8.92	8.55	8.68	8.23	11.51	9.50	10.41
Rhode Island .....	11.74	11.75	11.45	11.26	11.13	12.17	12.25	13.35
South Carolina .....	10.40	10.01	9.26	9.93	9.43	12.09	10.49	9.69
South Dakota .....	7.29	6.67	6.17	6.03	6.00	8.57	4.64	6.57
Tennessee .....	9.39	7.70	7.27	7.62	7.04	10.16	7.97	8.26
Texas .....	11.03	6.34	5.18	6.69	5.55	8.90	5.53	7.63
Utah .....	6.52	6.68	6.06	6.17	6.18	8.09	7.03	7.48
Vermont .....	10.79	10.27	10.05	9.97	9.97	10.07	10.44	11.07
Virginia .....	12.87	11.17	8.49	7.97	8.86	11.96	9.14	10.22
Washington .....	9.98	9.78	9.71	9.60	9.62	9.79	9.59	9.72
West Virginia .....	8.98	8.46	8.06	7.99	NA	8.01	8.55	8.07
Wisconsin .....	6.90	7.64	6.68	6.59	6.97	8.76	6.54	7.46
Wyoming .....	5.81	5.41	5.22	5.64	5.35	8.45	6.61	7.23
<b>Total .....</b>	<b>8.54</b>	<b>7.65</b>	<b>7.06</b>	<b>7.27</b>	<b>7.29</b>	<b>9.64</b>	<b>7.30</b>	<b>7.98</b>

<sup>r</sup> Revised Data.

NA Not Available.

**Notes:** Data through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 9 for discussion of

computations and revision policy.

**Sources:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," and Form EIA-910, "Monthly Natural Gas Marketer Survey."

**Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2001-2003**  
(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003				
				May	April	March	February	January
Alabama .....	9.58	8.85	10.40	11.68	11.57	10.00	8.80	8.70
Alaska .....	3.50	3.33	3.05	3.22	3.30	3.79	3.77	3.39
Arizona .....	7.58	8.87	7.52	7.56	7.37	7.72	7.63	7.59
Arkansas .....	NA	6.99	8.59	9.69	NA	NA	NA	6.66
California .....	NA	5.94	12.79	7.37	8.72	8.73	8.18	NA
Colorado .....	4.94	4.74	8.17	6.68	6.72	5.10	4.10	4.16
Connecticut .....	11.09	NA	8.89	11.95	11.85	13.35	9.57	10.08
Delaware .....	8.52	9.50	9.92	9.93	9.12	9.29	8.26	7.61
District of Columbia .....	NA	10.48	12.92	11.63	12.28	13.41	12.13	NA
Florida .....	10.96	7.66	12.21	11.71	11.70	12.54	10.15	9.56
Georgia .....	9.50	7.60	10.77	11.16	11.05	11.40	8.97	8.09
Hawaii .....	19.52	17.15	17.68	20.63	20.34	19.55	18.65	18.59
Idaho .....	6.16	8.34	7.16	6.44	6.42	6.09	6.05	6.03
Illinois .....	8.03	5.43	10.14	9.81	9.21	9.50	7.19	6.99
Indiana .....	8.51	6.39	9.16	9.58	10.18	9.79	7.82	7.73
Iowa .....	7.52	4.93	8.49	8.34	8.50	8.50	6.90	6.78
Kansas .....	7.68	6.97	9.02	9.92	9.52	7.67	7.29	6.80
Kentucky .....	7.73	6.93	9.70	10.22	9.48	8.09	7.28	6.99
Louisiana .....	NA	6.52	10.11	8.68	8.22	NA	8.03	8.03
Maine .....	10.90	NA	10.70	17.75	11.53	11.11	9.76	10.13
Maryland .....	8.09	6.88	11.22	8.30	8.21	8.95	7.85	7.57
Massachusetts .....	10.79	8.56	11.91	11.53	13.18	11.56	10.76	8.80
Michigan .....	6.39	5.83	5.12	7.34	6.92	6.55	6.07	6.03
Minnesota .....	7.74	5.13	9.16	7.27	7.29	10.22	7.28	6.66
Mississippi .....	NA	5.72	9.75	7.65	7.56	NA	NA	7.54
Missouri .....	8.06	6.76	10.20	9.60	8.95	8.14	7.81	7.52
Montana .....	6.29	5.40	7.31	6.84	6.99	6.37	6.10	5.87
Nebraska .....	6.95	4.79	8.74	6.50	7.49	8.12	6.57	6.15
Nevada .....	7.23	7.80	7.34	7.21	7.34	7.06	7.34	7.19
New Hampshire .....	NA	8.18	11.70	11.39	9.73	9.26	9.04	NA
New Jersey .....	8.59	5.79	8.54	13.38	7.71	9.98	8.09	7.57
New Mexico .....	6.61	4.11	7.75	6.76	7.68	7.25	6.28	5.75
New York .....	NA	6.78	11.36	9.45	9.65	9.99	NA	8.13
North Carolina .....	8.81	6.76	10.96	10.73	10.13	9.41	8.07	8.02
North Dakota .....	6.83	4.73	8.66	7.13	6.89	8.80	6.25	5.78
Ohio .....	7.92	6.12	9.29	8.18	9.18	8.31	7.93	7.11
Oklahoma .....	7.69	7.30	9.22	9.46	8.51	7.78	7.68	6.80
Oregon .....	7.69	9.10	7.60	7.32	7.72	7.77	7.74	7.76
Pennsylvania .....	8.99	7.20	11.03	10.18	9.62	9.48	8.83	8.16
Rhode Island .....	9.72	10.12	10.42	10.46	10.90	9.35	9.34	9.43
South Carolina .....	9.92	7.82	11.26	9.90	10.74	11.37	9.52	8.90
South Dakota .....	6.96	4.98	8.82	7.39	7.90	7.89	6.59	6.04
Tennessee .....	8.28	6.92	10.20	7.93	8.74	9.61	8.52	7.13
Texas .....	NA	5.12	7.93	7.89	7.87	8.67	NA	6.28
Utah .....	5.35	5.20	7.09	4.98	4.76	5.57	5.34	5.66
Vermont .....	7.79	8.27	7.72	7.89	7.81	7.74	7.78	7.79
Virginia .....	NA	6.62	10.19	10.73	9.93	11.28	NA	7.76
Washington .....	6.78	8.84	8.54	7.40	6.71	6.68	6.69	6.67
West Virginia .....	NA	7.34	6.40	NA	NA	NA	7.27	7.13
Wisconsin .....	8.17	5.83	8.91	7.39	8.17	10.29	7.66	7.30
Wyoming .....	4.78	4.98	9.02	5.55	4.65	4.88	4.66	4.59
<b>Total .....</b>	<b>8.14</b>	<b>6.44</b>	<b>9.40</b>	<b>8.72</b>	<b>8.73</b>	<b>8.97</b>	<b>7.83</b>	<b>7.32</b>

See footnotes at end of table.

**Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2001-2003**  
(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	Total	December	November	October	September	August	July	June
Alabama .....	8.99	8.69	9.20	9.62	9.56	9.57	9.55	9.22
Alaska .....	83.03	2.92	2.77	82.71	3.14	3.14	83.04	1.99
Arizona .....	8.45	7.68	8.01	8.20	8.09	8.09	7.99	8.03
Arkansas .....	6.96	6.91	6.93	6.76	7.17	6.72	6.96	6.95
California .....	5.99	7.35	6.94	5.77	5.40	5.29	5.44	5.36
Colorado .....	4.58	3.94	4.15	4.06	5.07	5.49	5.56	5.68
Connecticut .....	NA	8.74	8.40	7.79	5.24	6.29	6.93	7.35
Delaware .....	9.40	8.15	8.84	10.07	10.50	10.73	10.83	10.67
District of Columbia .....	10.44	10.09	10.69	10.19	10.96	10.51	10.36	10.71
Florida .....	7.98	8.71	8.49	8.06	8.35	8.09	8.10	8.05
Georgia .....	8.05	7.31	7.46	8.78	9.59	10.25	11.20	10.46
Hawaii .....	17.81	18.89	17.42	18.55	18.38	17.83	18.41	18.39
Idaho .....	7.73	6.12	6.59	6.72	6.56	6.86	7.79	8.75
Illinois .....	6.19	6.75	6.93	6.89	7.74	8.21	8.61	8.91
Indiana .....	6.74	6.97	6.76	6.21	7.89	8.03	9.38	8.91
Iowa .....	5.48	6.09	6.01	5.92	6.82	7.34	7.12	6.63
Kansas .....	7.07	6.97	6.34	7.63	7.67	7.50	8.46	8.84
Kentucky .....	7.07	6.92	7.23	7.24	8.03	8.06	7.77	7.40
Louisiana .....	6.83	7.92	7.99	7.47	6.81	6.44	6.70	6.10
Maine .....	NA	9.01	9.41	8.45	7.93	7.77	7.94	8.37
Maryland .....	86.83	7.19	6.84	6.81	5.99	86.26	6.60	86.77
Massachusetts .....	8.63	10.93	9.01	5.92	6.72	7.70	7.58	7.96
Michigan .....	6.05	6.22	6.01	6.51	7.51	7.44	6.97	6.56
Minnesota .....	NA	6.24	6.20	5.36	5.38	NA	5.27	5.53
Mississippi .....	NA	6.71	NA	6.62	5.95	5.37	5.52	4.58
Missouri .....	7.08	7.43	7.23	7.55	8.11	8.46	8.46	7.58
Montana .....	5.28	5.05	4.69	4.69	5.64	5.86	5.86	5.67
Nebraska .....	5.02	5.88	5.52	4.88	4.81	4.64	4.84	5.01
Nevada .....	7.66	7.47	7.77	7.76	7.55	7.50	7.53	6.81
New Hampshire .....	8.02	8.83	8.21	7.14	6.09	6.12	6.45	7.07
New Jersey .....	6.31	7.25	7.08	7.24	6.47	6.52	6.53	6.27
New Mexico .....	4.53	5.25	4.90	4.83	7.71	5.05	4.89	4.98
New York .....	6.49	7.60	6.38	6.30	5.58	5.41	5.56	6.06
North Carolina .....	7.15	7.67	7.85	7.33	7.66	7.83	7.84	6.85
North Dakota .....	NA	5.16	4.92	4.01	4.33	NA	4.56	5.02
Ohio .....	6.31	6.71	6.67	6.62	6.53	6.64	6.11	6.00
Oklahoma .....	7.28	7.16	7.07	7.67	7.59	7.27	7.15	7.39
Oregon .....	8.83	7.78	7.76	8.69	9.32	9.28	9.04	9.17
Pennsylvania .....	7.44	7.99	7.92	7.77	7.24	7.13	7.49	7.37
Rhode Island .....	10.09	9.19	10.07	9.93	11.57	10.55	10.90	11.04
South Carolina .....	7.89	8.66	8.58	7.47	7.47	7.37	7.20	7.55
South Dakota .....	5.25	6.17	5.24	4.87	5.63	5.91	5.95	6.10
Tennessee .....	7.11	7.37	7.24	7.44	7.26	7.37	8.31	7.09
Texas .....	NA	6.36	NA	6.25	5.60	5.44	5.53	5.35
Utah .....	5.21	5.57	5.33	4.57	5.45	5.15	4.92	4.92
Vermont .....	8.20	7.80	7.81	8.08	8.63	8.69	8.68	8.49
Virginia .....	7.00	7.54	6.81	6.82	7.99	7.62	7.91	8.38
Washington .....	8.30	6.71	7.28	7.80	8.09	8.03	7.92	8.34
West Virginia .....	7.48	7.11	7.38	7.67	9.09	9.39	9.25	8.73
Wisconsin .....	6.14	7.01	7.00	5.48	5.83	5.86	6.09	6.11
Wyoming .....	4.76	3.59	4.07	4.23	4.92	5.59	4.91	5.06
<b>Total .....</b>	<b>6.57</b>	<b>7.07</b>	<b>6.75</b>	<b>86.51</b>	<b>6.44</b>	<b>86.38</b>	<b>6.52</b>	<b>86.59</b>

See footnotes at end of table.

**Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2001-2003**

(Dollars per Thousand Cubic Feet) — Continued

State	2002					2001		
	May	April	March	February	January	Total	December	November
Alabama .....	9.45	9.24	8.63	8.99	8.54	10.41	9.73	9.55
Alaska .....	2.91	3.34	3.40	3.32	3.42	3.16	3.39	3.30
Arizona .....	8.16	8.24	9.04	8.98	9.40	7.86	8.86	8.46
Arkansas .....	7.22	7.19	6.88	7.04	6.82	7.80	7.07	6.61
California .....	5.63	6.07	5.50	5.84	6.53	9.33	5.35	5.18
Colorado .....	4.97	4.83	5.04	4.18	4.91	7.71	4.84	5.18
Connecticut .....	6.83	7.25	5.98	NA	7.41	7.68	7.27	5.56
Delaware .....	9.77	9.70	9.41	9.34	9.49	10.27	10.30	10.38
District of Columbia .....	10.53	11.61	10.36	10.07	10.39	12.02	10.55	10.35
Florida .....	7.91	7.73	7.34	7.63	7.77	10.50	7.60	7.60
Georgia .....	9.46	9.45	7.54	7.06	6.87	9.19	6.60	6.26
Hawaii .....	17.24	16.97	16.92	17.03	17.58	17.61	18.00	18.27
Idaho .....	8.66	8.59	8.30	8.18	8.29	7.58	8.06	8.27
Illinois .....	7.36	5.61	5.31	5.11	5.14	8.55	5.15	5.49
Indiana .....	7.95	7.27	5.80	5.87	6.41	8.64	5.82	7.22
Iowa .....	5.81	5.21	4.98	4.69	4.72	7.24	3.20	5.22
Kansas .....	8.09	7.59	6.64	6.55	7.05	8.52	6.72	6.89
Kentucky .....	7.23	6.71	6.03	7.12	7.50	9.20	7.28	7.54
Louisiana .....	6.54	6.72	6.57	6.13	6.71	8.59	7.30	7.47
Maine .....	7.75	NA	10.36	10.81	10.08	10.77	13.43	9.63
Maryland .....	7.19	6.73	6.74	6.61	7.24	10.15	7.94	8.49
Massachusetts .....	7.53	8.28	8.29	8.78	9.15	11.41	9.63	9.48
Michigan .....	6.10	5.82	5.91	5.88	5.63	5.45	5.73	5.66
Minnesota .....	5.76	5.83	5.07	4.70	4.79	7.50	4.72	5.65
Mississippi .....	6.32	6.43	4.99	5.63	5.83	8.17	5.77	6.24
Missouri .....	6.97	6.69	6.45	6.84	6.93	9.82	6.35	9.44
Montana .....	5.27	5.33	5.06	5.44	5.82	7.35	6.84	6.94
Nebraska .....	5.11	4.91	4.62	4.65	4.89	7.47	5.29	4.95
Nevada .....	7.23	7.02	8.07	7.81	8.28	8.00	8.21	9.83
New Hampshire .....	7.28	8.39	8.19	8.15	8.48	11.15	8.88	8.68
New Jersey .....	5.89	5.79	6.41	5.72	5.44	7.73	6.06	5.54
New Mexico .....	4.64	3.65	3.47	4.12	4.63	6.77	5.04	4.76
New York .....	6.47	6.65	6.73	6.94	6.97	9.61	7.32	6.92
North Carolina .....	6.53	6.34	6.54	6.94	7.03	10.14	8.09	7.93
North Dakota .....	4.42	5.01	4.34	3.78	5.77	6.96	4.39	4.71
Ohio .....	5.90	5.92	5.81	6.31	6.45	8.67	6.37	6.09
Oklahoma .....	7.22	6.87	7.34	7.50	7.32	8.83	7.15	7.65
Oregon .....	8.82	9.11	9.12	9.18	9.15	7.99	9.12	9.05
Pennsylvania .....	7.29	7.17	7.16	7.18	7.25	10.67	8.48	9.71
Rhode Island .....	9.83	10.40	10.14	10.10	10.09	10.69	10.67	11.26
South Carolina .....	7.35	8.07	7.81	7.73	7.98	10.03	8.15	8.12
South Dakota .....	5.60	5.15	5.03	4.71	4.85	7.16	3.53	5.09
Tennessee .....	7.27	6.63	6.74	7.20	6.85	9.40	7.39	7.57
Texas .....	5.86	5.55	4.70	5.31	4.79	6.49	4.37	5.81
Utah .....	4.86	5.14	5.17	5.25	5.26	6.78	6.06	6.49
Vermont .....	8.29	8.29	8.23	8.30	8.23	7.95	8.35	8.61
Virginia .....	7.57	7.23	5.81	6.80	6.49	9.36	6.61	8.27
Washington .....	8.79	8.77	8.90	8.86	8.85	8.62	8.57	8.50
West Virginia .....	8.21	7.42	6.99	7.53	7.19	7.04	9.10	7.74
Wisconsin .....	5.41	6.49	5.70	5.52	5.99	7.54	5.41	6.13
Wyoming .....	4.87	4.90	4.92	5.30	4.93	8.27	4.90	6.65
<b>Total .....</b>	<b>6.63</b>	<b>6.55</b>	<b>6.26</b>	<b>6.43</b>	<b>6.48</b>	<b>8.43</b>	<b>6.35</b>	<b>6.79</b>

<sup>r</sup> Revised Data.

NA Not Available.

**Notes:** Data through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only except in the States of Georgia, Maryland, New York, Ohio and Pennsylvania. See Appendix A, Explanatory Note 9 for

discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," and Form EIA-910, "Monthly Natural Gas Marketer Survey."

# Table 23

**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State,  
2001-2003**  
(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003				
				May	April	March	February	January
Alabama .....	NA	4.56	7.79	6.59	6.62	8.91	6.82	NA
Alaska .....	1.71	1.67	1.54	1.63	1.69	1.70	1.82	1.72
Arizona .....	6.46	NA	6.32	6.48	5.90	6.77	5.70	7.37
Arkansas .....	NA	5.95	7.03	7.20	NA	NA	NA	5.30
California .....	7.37	5.02	8.88	6.67	7.87	7.77	7.18	7.36
Colorado .....	3.86	NA	5.03	3.62	3.60	4.14	6.57	6.25
Connecticut .....	7.89	4.92	9.08	6.76	8.22	8.81	8.11	7.38
Delaware .....	6.32	6.11	7.40	6.80	6.80	7.24	5.88	5.40
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	6.30	4.42	8.07	7.16	7.30	5.74	6.19	5.46
Georgia .....	6.31	4.78	7.98	4.57	4.64	9.16	7.09	6.55
Hawaii .....	11.46	9.70	11.37	12.35	12.15	11.35	10.92	10.62
Idaho .....	5.39	7.77	5.73	5.24	5.26	5.41	5.37	5.56
Illinois .....	7.17	4.70	8.92	6.61	7.35	8.76	6.85	6.29
Indiana .....	8.53	6.41	9.73	8.05	10.36	11.23	8.04	7.06
Iowa .....	7.27	4.75	8.58	6.72	5.62	7.78	7.77	7.46
Kansas .....	6.94	4.27	7.75	6.40	7.86	7.50	6.58	6.74
Kentucky .....	6.75	4.52	7.97	6.53	6.48	8.83	6.40	5.89
Louisiana .....	5.85	3.63	6.80	5.35	5.34	8.02	5.64	5.14
Maine .....	10.30	NA	9.55	10.77	10.80	9.98	9.95	10.32
Maryland .....	9.98	6.86	11.43	10.92	11.40	11.36	8.61	8.40
Massachusetts .....	NA	7.38	9.82	10.95	11.87	10.56	9.35	NA
Michigan .....	5.24	4.94	4.52	5.81	5.59	5.45	5.02	4.87
Minnesota .....	6.26	3.90	7.05	5.63	5.76	8.90	5.88	5.36
Mississippi .....	6.57	4.09	7.74	6.03	5.51	8.68	6.90	5.60
Missouri .....	7.81	5.51	9.21	8.54	9.53	7.79	7.47	7.05
Montana .....	4.82	3.83	5.07	4.99	4.61	5.03	4.81	4.70
Nebraska .....	6.02	4.01	7.39	6.43	6.05	7.11	5.57	5.22
Nevada .....	8.67	7.36	6.08	8.83	8.72	8.94	8.64	8.39
New Hampshire .....	NA	NA	11.24	9.30	8.51	8.38	8.26	NA
New Jersey .....	7.22	4.48	8.47	4.28	8.50	8.78	7.63	6.38
New Mexico .....	6.26	3.91	7.37	5.72	8.61	8.96	8.10	8.60
New York .....	NA	6.07	9.29	7.63	9.45	8.87	NA	8.99
North Carolina .....	NA	4.38	8.70	5.79	NA	6.63	5.84	5.77
North Dakota .....	5.62	3.78	6.93	5.08	5.47	8.32	6.14	4.58
Ohio .....	7.75	6.14	7.04	8.76	8.69	8.56	8.52	6.78
Oklahoma .....	7.03	6.98	8.53	9.14	7.63	6.68	7.13	6.47
Oregon .....	5.96	7.30	5.92	5.59	6.04	6.14	6.20	5.88
Pennsylvania .....	8.20	7.26	8.08	7.93	6.69	9.82	8.39	7.97
Rhode Island .....	8.40	6.34	7.80	7.88	8.70	7.18	7.29	13.24
South Carolina .....	7.33	4.01	7.70	6.62	6.97	9.87	7.11	6.58
South Dakota .....	NA	4.14	7.13	5.15	5.80	NA	5.27	4.89
Tennessee .....	7.26	5.25	8.49	5.17	7.69	8.96	7.30	7.21
Texas .....	5.80	2.96	6.19	5.39	5.13	8.27	5.80	4.67
Utah .....	4.49	4.67	5.93	4.48	4.38	5.08	4.30	4.31
Vermont .....	4.68	4.35	5.77	3.62	5.15	5.04	4.67	4.92
Virginia .....	NA	4.90	7.71	6.94	6.66	9.86	NA	6.33
Washington .....	NA	5.15	5.98	5.82	6.04	5.87	NA	5.05
West Virginia .....	NA	4.40	6.83	NA	NA	NA	8.29	6.25
Wisconsin .....	7.59	5.20	9.02	6.76	7.45	10.07	6.98	6.62
Wyoming .....	NA	4.71	6.54	6.05	5.65	NA	5.79	5.86
<b>Total .....</b>	<b>6.20</b>	<b>3.84</b>	<b>6.93</b>	<b>5.60</b>	<b>5.88</b>	<b>8.08</b>	<b>6.17</b>	<b>5.31</b>

See footnotes at end of table.

**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2001-2003**

(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	Total	December	November	October	September	August	July	June
Alabama .....	4.30	4.55	4.66	3.75	3.95	3.72	3.89	3.95
Alaska .....	<sup>R</sup> 1.63	1.68	1.69	<sup>R</sup> 1.58	1.57	1.56	<sup>R</sup> 1.51	1.66
Arizona .....	NA	5.94	6.12	6.07	6.38	6.35	6.31	6.20
Arkansas .....	5.97	6.72	6.30	5.71	6.05	5.35	5.62	5.82
California .....	5.07	6.17	<sup>R</sup> 5.97	5.16	4.58	4.42	4.66	4.57
Colorado .....	NA	6.21	5.52	4.68	4.43	4.23	4.32	4.69
Connecticut .....	5.02	6.29	5.68	4.93	4.97	4.16	4.12	4.76
Delaware .....	6.16	5.53	5.84	6.34	6.68	6.47	6.29	7.23
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	4.72	5.43	4.87	4.96	4.86	4.75	4.82	5.12
Georgia .....	5.23	6.20	5.93	5.31	5.37	5.23	5.51	5.42
Hawaii .....	10.17	10.71	10.98	10.24	10.65	10.43	10.22	10.63
Idaho .....	6.76	4.91	4.26	5.45	5.43	5.94	5.70	7.48
Illinois .....	5.18	6.04	6.02	5.38	5.17	5.36	5.19	5.67
Indiana .....	5.74	6.16	5.41	4.37	4.42	5.04	5.47	6.17
Iowa .....	5.37	6.88	6.01	5.48	4.92	4.75	5.03	5.17
Kansas .....	4.10	5.28	5.48	4.62	3.93	3.75	3.83	3.88
Kentucky .....	4.59	5.31	5.41	4.62	4.21	3.95	4.10	4.22
Louisiana .....	3.90	4.60	4.57	4.18	4.34	3.41	3.78	3.78
Maine .....	NA	7.81	6.25	5.51	4.57	4.40	4.39	4.41
Maryland .....	NA	8.06	6.68	6.62	5.90	NA	5.93	8.24
Massachusetts .....	7.27	9.20	6.73	6.10	7.61	6.50	<sup>R</sup> 5.64	5.77
Michigan .....	NA	3.70	5.03	5.14	5.20	5.39	NA	5.09
Minnesota .....	NA	4.74	5.05	4.26	4.02	NA	NA	4.88
Mississippi .....	4.37	5.27	5.13	4.75	4.18	4.11	4.19	4.25
Missouri .....	5.85	6.76	6.41	6.28	6.02	6.08	6.29	5.92
Montana .....	3.92	4.01	3.70	4.12	4.67	5.14	4.57	3.74
Nebraska .....	4.14	4.95	4.75	4.12	3.98	3.82	4.04	3.64
Nevada .....	7.69	7.17	9.32	8.96	8.98	8.92	9.01	6.63
New Hampshire .....	NA	NA	6.99	6.55	6.30	6.63	6.81	5.53
New Jersey .....	4.92	6.24	5.59	5.32	4.34	4.81	5.01	4.95
New Mexico .....	4.19	6.23	5.34	4.01	3.80	3.79	3.77	3.96
New York .....	5.65	4.69	6.45	5.59	5.27	5.23	5.37	5.21
North Carolina .....	4.87	6.49	5.76	4.97	4.59	4.58	4.91	4.81
North Dakota .....	4.06	5.00	4.69	4.21	3.79	3.84	3.83	3.92
Ohio .....	6.25	6.59	6.68	6.26	6.62	5.88	5.39	5.56
Oklahoma .....	6.57	6.34	6.15	6.07	5.39	4.85	7.07	6.39
Oregon .....	6.95	5.90	5.83	5.87	7.32	7.18	6.74	7.06
Pennsylvania .....	6.89	7.21	7.37	6.21	5.92	6.08	6.11	5.96
Rhode Island .....	5.20	6.89	3.16	5.54	4.59	4.65	4.91	4.67
South Carolina .....	4.52	5.54	5.39	5.11	4.72	4.62	4.53	4.50
South Dakota .....	4.26	4.61	4.35	3.98	3.88	4.49	4.51	4.53
Tennessee .....	5.22	5.92	5.60	5.12	5.07	4.56	4.57	4.99
Texas .....	3.35	4.17	4.01	3.70	3.47	3.18	3.46	3.47
Utah .....	3.90	4.29	3.69	2.59	2.59	2.79	2.87	4.05
Vermont .....	4.39	4.80	4.47	4.61	4.22	4.04	4.19	4.23
Virginia .....	4.46	5.84	4.25	3.34	2.97	3.52	3.88	4.40
Washington .....	4.80	5.15	4.60	3.86	4.37	4.57	3.41	5.28
West Virginia .....	4.65	5.58	5.57	5.01	4.33	4.34	4.35	4.74
Wisconsin .....	5.42	6.35	6.58	4.99	4.57	4.42	4.80	5.35
Wyoming .....	4.52	4.50	4.39	4.09	4.20	4.32	4.21	4.69
<b>Total .....</b>	<b>4.00</b>	<b>4.87</b>	<b>4.67</b>	<b><sup>R</sup></b> 4.15	<b>3.87</b>	<b>3.64</b>	<b>3.78</b>	<b>3.83</b>

See footnotes at end of table.

**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2001-2003**

(Dollars per Thousand Cubic Feet) — Continued

State	2002					2001		
	May	April	March	February	January	Total	December	November
Alabama .....	4.77	4.28	4.28	4.67	4.81	6.33	4.72	4.83
Alaska .....	1.62	1.64	1.66	1.68	1.74	1.66	1.86	1.79
Arizona .....	6.34	6.44	NA	7.18	7.15	6.23	6.71	6.44
Arkansas .....	6.02	5.88	5.84	6.12	5.92	6.38	5.74	5.83
California .....	4.98	5.63	4.37	4.63	5.66	6.60	3.75	3.40
Colorado .....	4.88	5.16	NA	7.80	7.03	4.40	3.42	2.75
Connecticut .....	4.86	4.15	4.94	5.16	5.22	6.77	5.92	5.15
Delaware .....	5.47	6.16	6.11	6.02	6.58	6.85	6.11	5.68
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	4.84	4.29	4.97	3.46	5.06	6.98	4.24	4.51
Georgia .....	7.25	5.01	3.76	3.96	4.40	5.89	3.39	4.52
Hawaii .....	9.97	9.66	9.85	10.48	8.59	11.11	10.56	10.76
Idaho .....	7.78	7.75	8.07	7.65	7.64	6.43	8.76	7.17
Illinois .....	6.02	4.84	4.43	4.65	4.15	6.88	4.34	3.54
Indiana .....	7.63	7.18	4.60	6.20	7.62	8.14	3.34	7.01
Iowa .....	5.16	4.79	4.69	4.40	4.77	6.48	3.42	4.25
Kansas .....	3.99	4.00	4.02	4.93	5.28	4.97	3.99	3.09
Kentucky .....	4.46	4.53	4.11	4.65	4.83	6.51	4.77	5.09
Louisiana .....	3.80	3.69	3.62	3.26	3.77	5.03	3.58	3.84
Maine .....	4.93	4.43	3.73	NA	7.25	8.00	4.60	4.42
Maryland .....	8.15	6.16	6.75	6.12	7.62	9.07	6.62	7.00
Massachusetts .....	7.37	6.74	7.08	7.49	8.04	9.36	8.07	7.95
Michigan .....	4.93	4.81	4.97	5.01	4.93	4.77	5.13	5.16
Minnesota .....	3.96	4.54	3.48	3.57	3.85	5.16	4.14	4.01
Mississippi .....	4.25	4.52	3.83	3.72	4.20	5.79	3.72	4.68
Missouri .....	5.94	5.88	5.00	5.29	5.97	7.49	2.74	7.61
Montana .....	3.41	3.58	3.72	3.90	4.30	5.17	4.68	4.84
Nebraska .....	4.33	4.36	3.90	3.59	4.07	5.87	4.06	4.11
Nevada .....	7.03	6.73	7.85	7.01	7.71	7.00	7.24	8.57
New Hampshire .....	5.99	NA	NA	NA	6.06	7.92	4.60	5.27
New Jersey .....	5.06	4.86	4.17	4.58	4.06	6.69	4.76	4.29
New Mexico .....	3.90	3.43	3.94	4.41	4.64	6.18	4.25	3.44
New York .....	5.58	5.75	6.25	6.41	6.26	7.72	6.41	5.06
North Carolina .....	4.24	4.56	3.54	4.55	4.98	6.99	5.14	4.90
North Dakota .....	5.30	4.49	6.24	2.22	1.17	5.27	3.36	4.04
Ohio .....	5.34	6.06	5.80	6.22	6.66	6.58	5.16	4.90
Oklahoma .....	6.04	7.61	7.04	7.06	6.88	8.08	6.96	6.78
Oregon .....	7.23	7.15	7.29	7.38	7.40	6.09	7.25	7.25
Pennsylvania .....	6.25	7.06	7.50	7.45	7.58	7.18	6.38	6.87
Rhode Island .....	6.88	5.75	5.87	6.70	6.85	6.61	6.48	5.65
South Carolina .....	4.51	4.36	3.72	3.41	4.03	5.55	3.99	4.59
South Dakota .....	4.41	4.06	4.08	4.10	4.14	6.08	4.05	4.06
Tennessee .....	5.26	5.21	5.29	5.12	5.37	6.85	5.20	4.25
Texas .....	3.58	2.89	2.78	2.41	2.84	4.41	2.63	3.06
Utah .....	4.34	4.63	4.59	4.74	4.96	5.29	4.91	5.05
Vermont .....	4.41	4.08	4.36	4.40	4.46	5.02	4.24	4.31
Virginia .....	4.10	4.79	4.98	4.79	5.69	5.99	4.49	5.59
Washington .....	4.52	5.09	4.85	5.61	5.61	5.02	4.31	3.99
West Virginia .....	4.54	4.76	4.05	3.75	4.70	4.76	5.02	4.17
Wisconsin .....	4.65	5.70	5.02	4.99	5.52	7.50	5.59	6.01
Wyoming .....	4.60	4.73	4.71	4.75	4.78	6.33	3.95	4.09
<b>Total .....</b>	<b>4.02</b>	<b>3.62</b>	<b>3.80</b>	<b>3.72</b>	<b>4.08</b>	<b>5.28</b>	<b>3.75</b>	<b>3.92</b>

<sup>R</sup> Revised Data.

NA Not Available.

— Not Applicable.

**Notes:** Data through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 9 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 24. Average Price of Natural Gas Sold to Electric Utility<sup>a</sup> Consumers,  
by State, 2001-2003**  
(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003				2002 Total
				April	March	February	January	
Alabama .....	6.45	3.02	7.33	6.51	7.23	6.81	5.55	3.59
Alaska .....	2.05	2.58	2.17	2.11	2.02	2.03	2.02	2.22
Arizona .....	4.97	3.24	6.72	4.04	5.78	6.16	5.08	3.26
Arkansas .....	5.94	3.31	7.08	5.68	5.52	6.78	6.44	3.60
California .....	5.09	4.63	11.96	4.55	5.81	5.22	4.50	4.07
Colorado .....	3.93	2.93	5.77	3.57	4.48	3.55	3.78	2.62
Connecticut .....	—	—	—	—	—	—	—	—
Delaware .....	6.82	3.61	8.23	6.70	7.00	9.21	7.28	3.66
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	6.49	3.72	7.42	6.37	8.61	6.72	4.83	4.22
Georgia .....	5.80	3.37	6.07	5.80	—	—	—	3.10
Hawaii .....	—	—	—	—	—	—	—	—
Idaho .....	—	—	—	—	—	—	—	—
Illinois .....	7.42	3.36	7.33	7.84	9.33	6.41	6.37	3.53
Indiana .....	9.57	3.21	6.72	11.27	11.68	2.86	5.41	3.85
Iowa .....	6.11	3.43	6.20	5.89	5.98	6.59	5.74	3.87
Kansas .....	5.52	2.70	6.48	4.95	8.76	6.47	5.07	3.11
Kentucky .....	7.59	4.66	8.77	12.35	9.30	7.03	6.10	4.34
Louisiana .....	6.95	3.14	7.00	5.90	9.04	7.53	5.90	3.66
Maine .....	—	—	—	—	—	—	—	—
Maryland .....	—	—	—	—	—	—	—	—
Massachusetts .....	8.37	3.67	7.24	7.95	8.52	13.47	8.05	4.07
Michigan .....	5.99	2.91	4.18	5.60	5.65	7.05	5.49	3.13
Minnesota .....	6.35	3.76	7.66	5.97	9.68	6.72	3.90	3.95
Mississippi .....	6.40	2.87	6.19	5.72	6.91	7.15	6.00	3.63
Missouri .....	5.27	3.42	6.69	5.25	6.05	7.03	4.56	3.43
Montana .....	5.53	4.88	9.16	5.21	5.71	6.12	5.60	4.82
Nebraska .....	6.90	3.22	8.93	5.91	8.49	7.05	6.48	4.17
Nevada .....	5.13	7.21	8.49	6.01	5.75	4.34	4.61	5.60
New Hampshire .....	—	3.97	—	—	—	—	—	4.08
New Jersey .....	—	—	—	—	—	—	—	—
New Mexico .....	5.68	3.13	6.08	4.53	7.05	5.84	5.03	3.29
New York .....	8.19	3.32	8.31	5.92	11.00	8.16	7.20	3.88
North Carolina .....	7.52	4.36	7.83	7.67	—	—	7.52	4.37
North Dakota .....	7.50	2.75	7.61	—	—	—	7.50	2.52
Ohio .....	7.17	5.27	8.66	6.35	7.16	9.12	6.01	5.17
Oklahoma .....	6.82	3.30	7.14	5.45	8.81	7.36	5.58	3.61
Oregon .....	3.70	3.18	4.50	4.12	3.47	3.87	3.66	3.01
Pennsylvania .....	—	—	8.87	—	—	—	—	—
Rhode Island .....	—	—	—	—	—	—	—	—
South Carolina .....	7.29	4.52	7.09	—	—	—	7.29	5.16
South Dakota .....	—	—	—	—	—	—	—	—
Tennessee .....	—	—	—	—	—	—	—	—
Texas .....	5.96	3.00	6.44	5.19	7.48	6.16	5.10	3.47
Utah .....	4.16	6.80	5.53	4.16	3.47	—	—	4.82
Vermont .....	—	3.18	6.34	—	—	—	—	3.86
Virginia .....	7.35	7.73	14.73	7.06	8.38	8.97	6.44	4.92
Washington .....	—	—	—	—	—	—	—	—
West Virginia .....	12.28	3.48	8.84	16.67	17.44	10.70	7.28	4.53
Wisconsin .....	6.32	3.56	6.66	5.69	7.84	5.91	5.49	3.80
Wyoming .....	3.86	5.00	4.47	3.86	3.32	—	—	4.38
<b>Total .....</b>	<b>6.16</b>	<b>3.47</b>	<b>6.98</b>	<b>5.63</b>	<b>7.53</b>	<b>6.38</b>	<b>5.12</b>	<b>3.77</b>

See footnotes at end of table.

**Table 24. Average Price of Natural Gas Sold to Electric Utility<sup>a</sup> Consumers,****by State, 2001-2003**

(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	December	November	October	September	August	July	June	May
Alabama .....	4.82	4.67	4.35	3.54	3.42	3.43	3.32	3.82
Alaska .....	1.98	2.02	2.02	2.11	2.12	2.12	2.40	2.38
Arizona .....	4.82	3.97	3.60	3.08	2.95	3.07	3.01	3.23
Arkansas .....	4.89	4.26	4.28	3.89	3.25	3.42	3.60	4.16
California .....	4.65	4.25	3.69	3.69	4.04	3.66	3.64	3.80
Colorado .....	3.47	3.16	2.47	1.94	2.21	1.83	2.02	2.68
Connecticut .....	—	—	—	—	—	—	—	—
Delaware .....	5.58	4.23	4.90	4.17	4.03	3.21	3.43	4.12
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	5.90	4.73	4.85	4.15	3.93	4.00	4.11	4.30
Georgia .....	6.65	2.35	1.85	4.06	3.59	3.25	2.98	2.81
Hawaii .....	—	—	—	—	—	—	—	—
Idaho .....	—	—	—	—	—	—	—	—
Illinois .....	5.50	5.00	5.20	4.01	3.18	3.19	3.57	5.71
Indiana .....	4.82	4.96	4.81	4.17	4.49	4.16	2.61	6.35
Iowa .....	4.89	5.15	4.52	3.78	3.28	3.73	3.89	4.20
Kansas .....	4.22	4.17	3.38	3.09	2.97	3.04	3.24	3.39
Kentucky .....	5.24	4.91	4.91	3.99	3.67	3.70	3.82	4.05
Louisiana .....	4.87	4.59	4.49	3.92	3.36	3.54	3.66	3.84
Maine .....	—	—	—	—	—	—	—	—
Maryland .....	—	—	—	—	—	—	—	—
Massachusetts .....	5.78	4.73	4.71	4.19	3.65	3.70	4.04	4.05
Michigan .....	4.39	9.18	3.39	2.77	2.73	2.96	2.75	2.23
Minnesota .....	7.23	4.86	4.52	4.82	3.91	3.28	3.53	3.66
Mississippi .....	5.27	4.29	4.19	3.69	3.32	3.36	3.55	3.74
Missouri .....	5.13	4.36	4.48	3.54	3.20	3.25	3.26	3.68
Montana .....	6.12	5.21	3.84	4.66	4.65	6.13	4.71	4.90
Nebraska .....	5.24	4.45	4.07	4.01	3.80	3.12	3.93	4.47
Nevada .....	4.31	4.96	4.88	5.43	4.50	4.93	5.09	5.25
New Hampshire .....	6.51	—	4.42	3.87	3.58	3.38	3.39	3.81
New Jersey .....	—	—	—	—	—	—	—	—
New Mexico .....	4.42	4.16	3.60	3.10	3.05	3.13	3.04	3.15
New York .....	5.63	5.17	4.50	3.94	3.79	3.85	3.88	3.94
North Carolina .....	5.95	6.07	5.95	4.51	4.30	4.29	4.32	3.80
North Dakota .....	—	—	2.00	—	—	2.14	—	—
Ohio .....	5.52	6.12	6.01	4.49	4.33	4.66	4.95	5.15
Oklahoma .....	4.96	4.93	4.31	3.50	3.34	3.42	3.50	3.80
Oregon .....	—	3.51	2.80	2.81	2.35	2.38	2.95	3.15
Pennsylvania .....	—	—	—	—	—	—	—	—
Rhode Island .....	—	—	—	—	—	—	—	—
South Carolina .....	—	4.94	6.03	5.42	5.38	5.37	5.28	—
South Dakota .....	—	—	—	—	—	—	—	—
Tennessee .....	—	—	—	—	—	—	—	—
Texas .....	4.51	4.18	3.89	3.50	3.17	3.40	3.45	3.58
Utah .....	—	3.63	2.96	3.62	3.69	4.33	5.13	—
Vermont .....	—	4.86	4.39	—	—	—	—	—
Virginia .....	7.44	8.98	6.37	4.61	3.93	3.98	4.39	5.59
Washington .....	—	—	—	—	—	—	—	—
West Virginia .....	8.40	9.03	4.84	4.07	4.18	3.39	6.52	4.46
Wisconsin .....	4.74	4.81	4.23	3.99	3.42	3.57	3.90	3.92
Wyoming .....	21.17	5.84	2.21	2.22	2.89	2.85	—	—
<b>Total .....</b>	<b>4.85</b>	<b>4.49</b>	<b>4.26</b>	<b>3.76</b>	<b>3.47</b>	<b>3.53</b>	<b>3.67</b>	<b>3.88</b>

See footnotes at end of table.

**Table 24. Average Price of Natural Gas Sold to Electric Utility<sup>a</sup> Consumers, by State, 2001-2003**

(Dollars per Thousand Cubic Feet) — Continued

State	2002				2001			
	April	March	February	January	Total	December	November	October
Alabama .....	3.75	3.07	2.44	2.66	5.20	2.57	4.97	2.56
Alaska .....	2.46	2.77	2.57	2.57	2.36	2.60	2.59	2.66
Arizona .....	3.29	3.45	2.66	3.33	4.70	2.93	3.13	2.67
Arkansas .....	3.69	3.82	2.66	2.64	4.44	2.70	3.60	2.44
California .....	4.09	4.42	4.58	5.93	9.38	5.64	3.43	4.03
Colorado .....	3.03	3.01	2.67	2.95	3.81	2.73	3.42	2.36
Connecticut .....	—	—	—	—	—	—	—	—
Delaware .....	3.86	3.86	3.05	3.30	4.41	3.12	—	3.74
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	4.27	3.64	3.29	3.48	4.73	3.15	3.83	2.80
Georgia .....	3.86	3.67	2.70	8.67	3.36	3.52	—	2.55
Hawaii .....	—	—	—	—	—	—	—	—
Idaho .....	—	—	—	—	—	—	—	—
Illinois .....	4.34	3.19	3.14	3.23	3.79	3.04	2.14	2.85
Indiana .....	3.25	3.25	3.07	3.36	5.18	4.07	3.95	4.04
Iowa .....	4.34	3.18	2.91	3.44	4.78	3.67	3.82	2.69
Kansas .....	3.45	2.94	2.27	2.26	3.60	2.63	2.56	2.35
Kentucky .....	5.70	4.61	3.97	3.55	4.70	3.65	4.50	2.83
Louisiana .....	3.77	3.18	2.49	2.76	4.30	2.78	3.15	2.26
Maine .....	—	—	—	—	—	—	—	—
Maryland .....	—	—	—	—	—	—	—	—
Massachusetts .....	4.02	3.89	3.26	3.23	3.58	3.30	3.20	2.82
Michigan .....	3.59	2.17	2.91	3.51	3.48	2.93	2.44	2.81
Minnesota .....	3.96	2.55	4.16	3.94	5.25	3.48	2.99	3.50
Mississippi .....	3.60	2.83	2.36	2.62	3.54	2.48	2.67	2.13
Missouri .....	3.72	3.24	3.04	3.19	4.69	3.01	3.02	2.90
Montana .....	4.98	4.82	4.69	4.89	7.54	4.84	5.07	5.44
Nebraska .....	3.65	4.57	2.22	3.12	4.29	3.67	4.34	2.53
Nevada .....	6.13	7.28	8.09	7.83	8.22	5.79	3.72	10.65
New Hampshire .....	3.97	—	—	—	2.56	—	—	2.55
New Jersey .....	—	—	—	—	3.43	3.58	3.03	3.03
New Mexico .....	3.13	3.47	2.91	2.68	4.22	2.56	2.99	2.31
New York .....	3.86	3.26	2.83	3.38	4.12	3.12	3.54	2.75
North Carolina .....	3.79	4.84	4.47	4.88	4.50	4.70	5.40	3.58
North Dakota .....	—	2.68	2.89	—	7.08	—	—	—
Ohio .....	6.36	5.78	3.98	5.95	8.17	5.78	4.37	6.30
Oklahoma .....	3.81	3.17	2.90	3.15	4.62	3.16	3.53	3.03
Oregon .....	2.95	3.30	2.96	3.36	3.82	3.85	3.62	3.24
Pennsylvania .....	—	—	—	—	8.87	—	—	—
Rhode Island .....	—	—	—	—	—	—	—	—
South Carolina .....	4.29	4.48	6.12	4.11	2.64	5.73	5.85	2.34
South Dakota .....	—	—	—	—	—	—	—	—
Tennessee .....	—	—	—	—	—	—	—	—
Texas .....	3.54	3.05	2.66	2.74	4.32	2.84	3.07	2.53
Utah .....	3.54	6.10	9.98	11.71	4.88	—	10.12	6.67
Vermont .....	—	3.13	2.73	3.54	4.83	—	—	—
Virginia .....	5.55	12.56	12.17	8.92	4.55	3.57	—	—
Washington .....	—	—	—	—	—	—	—	—
West Virginia .....	3.90	3.44	2.98	4.66	6.46	2.97	4.07	5.44
Wisconsin .....	3.98	3.41	3.30	3.27	4.76	3.65	3.62	2.81
Wyoming .....	3.91	4.43	5.09	7.21	4.01	—	—	3.61
<b>Total .....</b>	<b>3.90</b>	<b>3.50</b>	<b>3.05</b>	<b>3.31</b>	<b>4.61</b>	<b>3.14</b>	<b>3.32</b>	<b>2.78</b>

<sup>a</sup> Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— Not Applicable.

**Notes:** Data through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia.

**Sources:** Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25

**Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003**

State	YTD 2003		YTD 2002		YTD 2001		2003	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	May	
							Commercial	Industrial
Alabama .....	79.4	NA	78.5	16.8	86.0	23.1	70.0	13.9
Alaska .....	55.9	88.9	NA	95.2	61.4	99.1	58.5	76.1
Arizona .....	91.7	36.2	93.6	NA	91.5	43.0	91.6	47.1
Arkansas .....	NA	NA	85.1	5.3	90.1	7.4	75.9	4.0
California .....	NA	5.9	68.7	5.7	61.7	11.9	67.3	5.6
Colorado .....	99.8	NA	NA	NA	93.3	0.6	99.4	0.5
Connecticut .....	67.0	50.3	NA	NA	75.9	54.2	64.8	48.9
Delaware .....	NA	13.8	98.0	13.2	98.4	17.8	83.6	18.2
District of Columbia .....	NA	—	22.9	—	24.4	—	29.0	—
Florida .....	38.4	NA	43.4	1.7	63.9	5.0	34.4	1.9
Georgia .....	100.0	6.7	100.0	5.6	21.9	22.3	100.0	7.4
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	87.2	2.1	77.5	2.3	88.6	2.7	85.4	1.7
Illinois .....	44.6	10.8	40.4	10.0	44.3	11.7	31.9	7.3
Indiana .....	81.5	9.6	77.4	6.9	80.3	9.9	72.4	6.3
Iowa .....	NA	6.9	80.9	5.9	85.4	7.9	71.7	4.3
Kansas .....	61.9	2.7	61.8	4.7	67.2	3.7	54.6	5.3
Kentucky .....	75.7	17.5	74.9	16.2	84.8	20.3	70.8	16.6
Louisiana .....	NA	15.7	74.6	9.1	82.5	7.5	99.0	16.0
Maine .....	77.8	NA	NA	NA	100.0	7.5	50.2	10.3
Maryland .....	100.0	9.7	100.0	9.5	37.5	10.4	100.0	6.7
Massachusetts .....	65.6	NA	50.6	25.5	67.6	34.5	62.8	23.7
Michigan .....	66.6	13.4	68.4	12.1	67.0	15.1	59.7	8.7
Minnesota .....	93.7	40.1	NA	29.1	98.6	43.0	81.3	39.0
Mississippi .....	NA	25.2	96.2	26.9	96.0	28.4	93.7	22.6
Missouri .....	83.3	14.8	80.2	18.4	85.5	18.5	74.6	10.2
Montana .....	74.3	2.8	75.3	NA	76.6	2.8	64.0	1.8
Nebraska .....	63.9	19.6	59.7	17.6	65.1	25.3	54.6	17.1
Nevada .....	76.1	22.7	87.2	50.9	68.4	21.6	70.0	15.0
New Hampshire .....	NA	NA	82.3	NA	89.2	14.6	73.8	8.3
New Jersey .....	56.3	24.9	51.6	21.5	62.7	26.4	26.3	20.9
New Mexico .....	69.4	6.0	67.2	8.8	68.8	20.9	58.5	9.3
New York .....	NA	NA	100.0	9.3	57.6	12.8	100.0	12.3
North Carolina .....	93.0	35.5	91.0	32.8	97.4	37.7	89.5	30.5
North Dakota .....	NA	44.7	NA	14.7	90.7	11.2	88.0	45.9
Ohio .....	100.0	3.8	100.0	2.7	45.5	9.2	100.0	1.3
Oklahoma .....	75.1	3.7	NA	4.1	76.6	4.7	62.4	1.5
Oregon .....	98.4	14.2	94.4	18.1	99.8	20.3	98.0	16.1
Pennsylvania .....	100.0	8.2	100.0	5.9	66.0	12.8	100.0	5.8
Rhode Island .....	73.9	19.1	NA	57.8	63.6	32.0	76.0	26.7
South Carolina .....	96.8	80.6	98.2	83.6	98.6	83.7	96.6	82.5
South Dakota .....	84.4	NA	NA	42.5	86.1	49.6	81.8	23.9
Tennessee .....	91.4	24.6	90.6	24.2	95.4	39.1	85.5	25.9
Texas .....	NA	43.5	84.0	37.1	84.0	28.2	81.0	43.1
Utah .....	88.1	14.3	85.6	13.8	86.3	10.3	80.9	14.1
Vermont .....	100.0	85.9	100.0	79.0	100.0	79.5	100.0	79.2
Virginia .....	NA	NA	62.8	16.6	72.4	21.0	55.6	10.0
Washington .....	88.9	NA	87.5	28.6	94.4	36.0	85.9	18.5
West Virginia .....	NA	NA	61.3	6.9	77.3	8.1	NA	NA
Wisconsin .....	79.0	22.5	77.1	21.2	78.6	22.8	73.0	15.3
Wyoming .....	50.1	NA	88.6	NA	88.2	3.2	53.0	1.5
<b>Total .....</b>	<b>79.0</b>	<b>21.4</b>	<b>78.0</b>	<b>19.4</b>	<b>69.5</b>	<b>20.4</b>	<b>73.0</b>	<b>20.5</b>

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003 — Continued**

State	2003							
	April		March		February		January	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	73.4	14.6	80.6	16.8	83.5	15.2	80.3	NA
Alaska .....	56.8	87.4	53.5	89.6	52.9	99.1	57.9	98.6
Arizona .....	90.6	34.1	91.2	33.8	91.3	35.7	93.1	34.3
Arkansas .....	NA	NA	NA	NA	NA	NA	98.6	3.9
California .....	64.7	6.5	64.4	5.5	NA	8.0	NA	3.7
Colorado .....	99.7	0.7	99.8	0.2	99.9	—	99.9	NA
Connecticut .....	66.8	51.0	66.9	52.8	65.6	47.4	69.3	51.1
Delaware .....	86.4	20.4	90.0	13.8	91.2	13.8	NA	9.9
District of Columbia .....	29.3	—	42.8	—	38.7	—	NA	—
Florida .....	34.8	2.2	37.4	2.4	40.2	NA	43.5	NA
Georgia .....	100.0	7.4	100.0	7.0	100.0	6.5	100.0	5.2
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	85.8	1.8	88.3	2.1	87.6	2.5	87.9	2.2
Illinois .....	41.2	8.4	47.4	11.9	46.5	12.3	45.5	12.4
Indiana .....	75.2	6.5	81.5	8.0	81.9	12.0	85.1	13.0
Iowa .....	76.1	5.6	79.8	7.7	NA	7.4	81.1	8.6
Kansas .....	59.3	3.6	65.8	2.0	63.3	2.1	60.3	1.3
Kentucky .....	60.0	18.4	71.3	17.5	81.4	17.3	80.6	17.8
Louisiana .....	98.1	15.9	NA	15.3	NA	17.7	97.6	13.9
Maine .....	71.7	9.0	74.7	9.8	79.7	NA	93.8	6.5
Maryland .....	100.0	8.6	100.0	10.8	100.0	12.6	100.0	9.3
Massachusetts .....	54.1	33.4	63.2	37.5	68.7	47.0	73.6	NA
Michigan .....	65.5	11.7	66.3	14.8	68.2	14.3	68.0	15.1
Minnesota .....	87.5	36.1	99.1	38.7	95.6	42.2	94.7	43.2
Mississippi .....	94.5	24.8	NA	27.1	NA	28.9	95.8	23.1
Missouri .....	79.8	11.5	85.6	16.2	85.5	18.0	83.0	15.7
Montana .....	65.3	2.1	75.3	3.3	74.0	2.8	84.3	4.2
Nebraska .....	58.2	13.4	64.6	24.6	66.5	22.6	67.2	21.5
Nevada .....	74.1	23.1	75.5	20.6	80.1	29.2	78.4	25.9
New Hampshire .....	81.9	13.5	85.0	15.5	NA	NA	NA	NA
New Jersey .....	60.5	28.8	61.5	28.0	59.5	24.9	58.0	22.8
New Mexico .....	R65.4	R7.5	R70.7	R5.5	R72.0	R4.2	R73.0	R3.8
New York .....	100.0	11.4	100.0	11.3	NA	NA	100.0	R13.0
North Carolina .....	90.9	25.5	95.4	43.0	93.5	40.5	92.9	36.1
North Dakota .....	NA	45.4	97.1	38.5	98.2	34.3	97.2	53.2
Ohio .....	100.0	3.0	100.0	R4.1	100.0	R5.2	100.0	4.7
Oklahoma .....	65.7	2.6	76.9	6.4	77.7	4.2	80.0	3.5
Oregon .....	98.2	13.1	98.5	13.8	98.5	14.2	98.6	13.7
Pennsylvania .....	100.0	9.0	100.0	8.8	100.0	8.2	100.0	8.6
Rhode Island .....	71.4	19.6	77.2	21.5	74.2	19.0	71.1	10.8
South Carolina .....	95.6	80.1	96.8	77.7	97.4	81.2	R97.2	81.3
South Dakota .....	80.5	26.0	85.9	NA	83.4	NA	86.6	NA
Tennessee .....	88.3	21.5	92.4	26.6	93.5	23.8	91.7	25.3
Texas .....	69.6	42.6	80.3	41.8	NA	42.0	83.3	47.8
Utah .....	87.5	14.9	88.5	13.1	89.5	14.6	89.1	14.6
Vermont .....	100.0	75.3	100.0	100.0	100.0	100.0	100.0	87.0
Virginia .....	57.8	19.6	64.5	13.0	NA	71.4	20.7	
Washington .....	88.6	19.5	89.7	25.5	89.7	NA	89.5	25.4
West Virginia .....	NA	NA	NA	NA	R73.3	11.9	R72.6	12.6
Wisconsin .....	79.4	17.6	78.9	24.4	79.6	25.7	79.7	25.4
Wyoming .....	46.5	1.8	51.0	NA	52.6	2.9	48.4	2.0
<b>Total .....</b>	<b>R76.0</b>	<b>21.0</b>	<b>R79.8</b>	<b>21.2</b>	<b>R79.1</b>	<b>21.8</b>	<b>R81.8</b>	<b>R22.4</b>

See footnotes at end of table.

Table 25

**Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003 — Continued**

State	2002							
	Total		December		November		October	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	75.9	16.9	78.1	18.5	69.0	19.1	68.1	16.8
Alaska .....	NA	90.5	71.2	99.6	69.5	96.4	66.5	99.4
Arizona .....	91.6	NA	90.7	33.5	89.9	NA	88.6	38.5
Arkansas .....	80.9	4.8	82.6	4.7	79.4	4.6	71.4	4.8
California .....	68.4	5.2	72.1	5.4	83.3	4.8	68.3	5.1
Colorado .....	NA	NA	99.3	NA	99.5	NA	99.6	NA
Connecticut .....	NA	NA	72.9	49.5	70.1	43.2	67.7	48.7
Delaware .....	NA	NA	NA	NA	97.0	NA	96.4	NA
District of Columbia .....	NA	—	NA	—	28.2	—	24.1	—
Florida .....	39.9	1.6	39.5	1.8	36.4	1.5	36.8	1.4
Georgia .....	100.0	5.4	100.0	5.5	100.0	5.5	100.0	5.1
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	79.2	NA	86.4	2.2	84.9	1.3	75.8	1.5
Illinois .....	39.3	NA	45.4	12.0	40.7	10.2	38.2	9.0
Indiana .....	NA	7.6	84.4	11.1	77.4	11.3	72.7	11.2
Iowa .....	80.0	6.7	82.9	9.0	88.8	11.3	89.4	9.2
Kansas .....	57.7	NA	58.1	2.4	54.3	2.4	40.2	3.2
Kentucky .....	75.1	16.0	78.6	16.3	77.3	16.6	72.0	15.9
Louisiana .....	66.6	8.6	66.5	9.0	51.6	8.0	52.6	8.4
Maine .....	NA	NA	NA	100.0	NA	100.0	NA	100.0
Maryland .....	100.0	NA	100.0	10.9	100.0	NA	100.0	5.3
Massachusetts .....	48.8	20.7	58.9	28.1	52.8	20.8	48.3	12.9
Michigan .....	63.6	NA	64.8	17.2	61.5	10.7	53.5	6.5
Minnesota .....	NA	NA	93.2	42.2	95.9	37.8	94.1	50.2
Mississippi .....	NA	25.6	96.9	24.9	NA	24.9	93.3	23.6
Missouri .....	76.8	14.2	80.1	16.9	74.8	12.3	56.7	8.0
Montana .....	75.3	NA	81.9	NA	77.1	2.2	76.9	1.2
Nebraska .....	61.3	13.3	65.7	16.7	69.1	16.1	66.4	13.9
Nevada .....	78.9	35.9	72.9	30.3	68.8	24.4	65.9	22.4
New Hampshire .....	NA	NA	87.5	NA	49.6	91.9	NA	NA
New Jersey .....	46.8	NA	53.5	NA	52.0	21.3	34.9	17.8
New Mexico .....	66.6	11.9	71.8	11.9	74.7	10.8	62.4	11.1
New York .....	100.0	9.0	100.0	13.2	100.0	6.2	100.0	6.5
North Carolina .....	90.1	37.4	92.7	37.2	88.6	38.3	87.1	43.3
North Dakota .....	NA	NA	93.4	19.0	93.4	20.5	90.7	16.8
Ohio .....	100.0	2.2	100.0	3.8	100.0	2.8	100.0	1.3
Oklahoma .....	NA	3.0	73.8	3.4	68.3	2.6	51.7	1.2
Oregon .....	95.9	14.1	98.6	12.5	98.2	12.3	97.8	10.8
Pennsylvania .....	100.0	6.0	100.0	9.4	100.0	6.7	100.0	6.2
Rhode Island .....	NA	67.0	92.2	58.7	89.5	96.8	41.4	63.3
South Carolina .....	98.3	82.7	98.6	76.5	98.0	78.4	100.0	86.3
South Dakota .....	NA	45.1	83.9	70.9	79.7	66.7	84.0	63.4
Tennessee .....	NA	NA	90.1	24.1	83.3	20.6	77.6	21.7
Texas .....	NA	41.4	79.8	43.0	NA	42.0	74.8	41.8
Utah .....	84.4	13.7	88.6	13.7	87.0	15.1	83.4	12.8
Vermont .....	100.0	76.5	100.0	86.6	100.0	77.9	100.0	74.5
Virginia .....	62.2	NA	70.9	25.5	65.7	NA	57.8	NA
Washington .....	87.2	27.0	89.9	26.5	89.3	31.1	84.4	25.0
West Virginia .....	58.1	6.8	70.5	5.5	56.3	7.0	86.0	5.6
Wisconsin .....	72.2	19.7	77.6	26.6	71.7	22.6	62.4	19.0
Wyoming .....	72.5	NA	46.8	1.4	49.7	1.2	55.7	1.7
<b>Total .....</b>	<b>76.6</b>	<b>19.7</b>	<b>79.4</b>	<b>20.1</b>	<b>79.0</b>	<b>18.8</b>	<b>73.0</b>	<b>18.8</b>

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003 — Continued**

State	2002							
	September		August		July		June	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	71.3	15.6	70.5	16.8	70.5	16.2	72.2	15.2
Alaska .....	58.3	87.3	60.6	78.7	57.4	79.3	70.7	79.4
Arizona .....	89.0	40.6	88.1	38.4	89.2	39.9	89.6	45.9
Arkansas .....	73.5	3.6	74.0	3.6	61.2	5.0	74.8	3.7
California .....	66.6	4.5	61.8	4.6	61.8	4.4	64.2	4.6
Colorado .....	99.7	NA	99.9	NA	99.7	NA	99.5	NA
Connecticut .....	73.7	52.8	78.4	44.0	77.1	33.8	73.8	46.2
Delaware .....	97.8	NA	98.4	6.5	98.6	8.0	98.4	10.4
District of Columbia .....	17.4	—	18.0	—	17.6	—	19.9	—
Florida .....	35.2	1.5	35.9	1.4	36.2	1.3	38.2	1.7
Georgia .....	100.0	5.2	100.0	5.0	100.0	4.9	100.0	5.4
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	78.9	1.3	81.0	NA	79.5	NA	76.2	1.9
Illinois .....	29.2	6.2	28.0	5.1	28.7	NA	27.3	6.8
Indiana .....	64.1	5.9	NA	5.5	62.0	4.7	68.6	5.5
Iowa .....	51.8	4.8	65.5	4.5	64.3	4.7	67.3	4.7
Kansas .....	50.5	6.8	48.2	NA	46.3	13.8	51.1	9.5
Kentucky .....	68.7	14.4	71.8	16.9	68.9	15.9	71.3	14.5
Louisiana .....	49.5	8.3	60.5	7.7	60.9	7.1	78.2	9.4
Maine .....	25.2	100.0	40.6	100.0	NA	100.0	37.8	100.0
Maryland .....	100.0	5.8	100.0	NA	100.0	3.2	100.0	6.0
Massachusetts .....	38.1	9.7	33.5	11.8	40.3	18.4	34.3	16.5
Michigan .....	42.7	4.2	43.1	5.2	45.1	NA	54.5	5.6
Minnesota .....	77.0	32.7	NA	NA	82.8	NA	86.4	23.6
Mississippi .....	93.7	23.9	NA	25.4	96.6	23.8	96.7	25.9
Missouri .....	68.3	9.7	65.8	8.8	67.5	8.3	70.1	8.8
Montana .....	67.1	0.8	69.7	0.7	66.8	0.9	66.0	1.3
Nebraska .....	59.2	7.4	63.0	7.0	61.0	6.2	51.2	20.6
Nevada .....	65.9	20.7	63.1	19.3	63.4	18.6	84.5	41.8
New Hampshire .....	NA	36.8	72.4	NA	64.7	NA	NA	51.9
New Jersey .....	23.1	17.3	27.1	NA	29.1	NA	36.9	17.6
New Mexico .....	47.4	14.4	59.7	19.5	60.0	17.4	61.4	16.6
New York .....	100.0	9.1	100.0	6.9	100.0	13.8	100.0	8.2
North Carolina .....	86.2	44.5	84.6	37.1	86.6	44.4	89.1	43.3
North Dakota .....	86.8	9.9	NA	11.9	80.6	7.7	81.8	NA
Ohio .....	100.0	1.4	100.0	1.2	100.0	0.9	100.0	1.0
Oklahoma .....	49.7	2.3	51.2	2.2	56.3	1.2	59.0	1.8
Oregon .....	97.6	10.5	97.5	8.7	97.4	9.8	97.9	10.8
Pennsylvania .....	100.0	5.9	100.0	4.1	100.0	3.9	100.0	4.5
Rhode Island .....	55.0	65.6	37.2	67.6	45.1	61.9	50.8	82.2
South Carolina .....	99.5	86.2	94.3	78.4	99.0	86.6	98.6	82.4
South Dakota .....	69.8	52.4	73.1	20.2	68.7	14.6	74.0	20.1
Tennessee .....	75.2	20.5	73.2	19.1	73.2	19.5	NA	NA
Texas .....	73.3	44.6	80.9	44.7	89.1	47.7	89.3	48.3
Utah .....	76.8	13.6	69.8	13.6	69.4	12.1	73.3	13.4
Vermont .....	100.0	68.9	100.0	67.3	100.0	68.8	100.0	68.9
Virginia .....	50.1	13.3	53.3	11.1	52.2	10.8	51.6	9.8
Washington .....	80.3	24.2	80.7	20.3	83.1	27.0	90.4	24.0
West Virginia .....	34.4	8.7	31.7	7.0	26.6	7.9	33.0	6.5
Wisconsin .....	47.0	13.3	49.3	14.5	51.4	11.1	60.2	13.3
Wyoming .....	51.8	1.5	60.7	1.5	30.5	1.4	91.7	1.3
<b>Total .....</b>	<b>68.9</b>	<b>19.5</b>	<b>70.0</b>	<b>19.4</b>	<b>71.7</b>	<b>20.7</b>	<b>72.0</b>	<b>22.5</b>

See footnotes at end of table.

Table 25

**Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003 — Continued**

State	2002							
	May		April		March		February	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	72.0	14.2	78.1	15.7	81.8	17.7	80.9	17.5
Alaska .....	NA	81.3	61.6	99.4	61.5	99.2	58.9	99.2
Arizona .....	90.3	45.6	92.1	51.3	93.2	NA	94.6	55.2
Arkansas .....	70.0	4.0	83.0	4.8	86.4	6.2	88.9	5.8
California .....	64.5	6.4	68.0	4.9	72.1	5.9	69.0	6.3
Colorado .....	99.6	NA	NA	NA	99.5	NA	99.2	NA
Connecticut .....	71.2	48.8	61.2	NA	85.2	NA	NA	NA
Delaware .....	98.3	14.7	98.3	11.8	97.9	14.0	98.1	13.3
District of Columbia .....	20.8	—	21.6	—	22.6	—	23.8	—
Florida .....	39.2	1.4	40.4	1.4	43.7	1.6	44.6	2.5
Georgia .....	100.0	5.0	100.0	5.5	100.0	6.1	100.0	5.9
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	79.0	0.9	73.2	2.4	75.6	2.6	78.6	2.8
Illinois .....	34.6	7.2	37.9	9.8	41.0	10.6	43.1	10.7
Indiana .....	81.5	4.7	75.9	5.7	78.9	9.0	76.2	7.2
Iowa .....	77.1	4.3	83.2	5.3	80.7	7.2	82.4	4.6
Kansas .....	53.6	7.3	62.7	7.3	63.1	3.7	64.0	2.9
Kentucky .....	71.5	13.7	72.6	16.2	68.0	17.6	77.1	16.7
Louisiana .....	96.7	10.0	78.7	9.4	72.7	8.6	71.4	9.1
Maine .....	NA	100.0	NA	100.0	50.2	100.0	53.3	NA
Maryland .....	100.0	5.8	100.0	5.3	100.0	13.0	100.0	11.3
Massachusetts .....	39.1	21.1	46.7	24.5	56.4	23.7	50.2	28.7
Michigan .....	58.1	8.0	65.5	11.1	76.1	13.7	68.7	12.9
Minnesota .....	91.8	41.5	84.2	30.7	NA	36.1	90.8	16.0
Mississippi .....	95.8	23.7	95.0	26.9	96.1	27.2	95.9	29.5
Missouri .....	53.9	9.1	82.2	14.1	85.8	23.0	80.4	24.4
Montana .....	69.8	2.1	73.2	NA	81.8	3.7	73.6	3.0
Nebraska .....	50.1	12.7	51.5	15.0	58.7	25.4	57.5	16.6
Nevada .....	84.5	46.0	86.0	39.6	87.3	60.8	88.7	46.1
New Hampshire .....	75.7	38.7	79.0	NA	84.2	NA	84.0	NA
New Jersey .....	29.3	18.0	49.7	20.7	53.8	22.6	55.3	21.4
New Mexico .....	50.5	14.9	54.0	11.9	63.7	8.8	75.9	4.9
New York .....	100.0	10.7	100.0	9.8	100.0	8.5	100.0	9.1
North Carolina .....	87.0	44.5	89.7	39.3	90.6	27.1	91.6	25.1
North Dakota .....	52.1	10.9	91.9	14.8	NA	18.1	92.8	15.4
Ohio .....	100.0	1.1	100.0	2.7	100.0	3.1	100.0	3.5
Oklahoma .....	58.6	2.2	70.9	3.1	77.8	4.6	74.5	5.4
Oregon .....	98.4	12.3	98.5	18.9	98.9	19.9	98.9	20.4
Pennsylvania .....	100.0	4.7	100.0	4.8	100.0	5.7	100.0	6.8
Rhode Island .....	51.3	55.4	56.4	67.9	NA	62.9	61.1	48.3
South Carolina .....	100.0	86.4	99.7	83.6	97.0	79.8	97.2	82.7
South Dakota .....	80.0	37.9	85.3	43.1	89.3	36.7	85.3	50.0
Tennessee .....	85.1	22.6	91.4	21.2	91.9	28.7	93.7	24.4
Texas .....	89.3	43.6	73.4	48.9	75.3	30.0	90.8	31.2
Utah .....	72.9	13.1	78.5	15.8	90.3	12.7	87.1	13.9
Vermont .....	100.0	74.5	100.0	79.8	100.0	80.2	100.0	79.9
Virginia .....	58.7	14.2	58.9	14.2	61.8	18.5	66.0	19.8
Washington .....	92.4	29.5	92.5	32.2	93.5	28.9	93.6	28.1
West Virginia .....	39.5	6.7	60.8	8.1	63.0	6.2	66.2	6.7
Wisconsin .....	69.1	16.9	74.9	19.2	78.9	23.6	78.5	21.5
Wyoming .....	96.1	2.0	92.1	NA	89.4	2.9	91.4	2.0
<b>Total .....</b>	<b>72.9</b>	<b>21.0</b>	<b>75.8</b>	<b>23.2</b>	<b>79.3</b>	<b>17.7</b>	<b>79.5</b>	<b>17.9</b>

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003 — Continued**

State	2002		2001					
	January		Total		December		November	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	76.0	19.0	82.5	22.2	77.9	21.9	76.9	22.1
Alaska .....	59.8	99.3	60.5	96.2	60.0	99.3	60.0	99.3
Arizona .....	95.7	56.1	92.6	46.4	95.8	55.3	93.8	54.8
Arkansas .....	87.5	5.8	87.0	6.0	90.7	5.4	87.1	5.3
California .....	69.2	5.3	62.6	9.1	68.0	8.0	63.2	8.2
Colorado .....	88.6	NA	95.6	2.5	100.0	0.5	100.0	1.3
Connecticut .....	72.0	42.5	77.5	53.2	85.7	50.9	78.3	58.1
Delaware .....	97.6	12.6	98.3	16.1	98.0	16.3	97.8	14.9
District of Columbia .....	23.8	—	22.4	—	22.1	—	19.4	—
Florida .....	47.7	1.6	56.6	3.8	50.4	4.0	46.6	3.3
Georgia .....	100.0	5.7	20.0	19.9	13.7	19.7	19.0	19.5
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	79.9	2.6	86.3	2.2	86.6	2.3	83.3	1.8
Illinois .....	41.3	11.4	41.1	9.9	42.5	12.1	36.8	10.3
Indiana .....	76.9	7.5	77.1	7.7	80.9	10.2	72.6	6.6
Iowa .....	79.6	7.5	82.0	7.4	82.6	9.8	76.5	10.8
Kansas .....	60.9	2.8	62.1	9.3	56.4	4.4	47.8	8.0
Kentucky .....	81.9	16.4	81.8	18.7	78.8	16.9	79.7	16.5
Louisiana .....	68.6	8.5	82.3	8.3	81.7	9.1	82.7	10.0
Maine .....	57.4	100.0	100.0	8.1	100.0	3.6	100.0	4.5
Maryland .....	100.0	10.3	32.6	8.5	36.5	10.3	26.8	6.6
Massachusetts .....	55.3	28.4	62.1	26.3	51.3	21.8	58.9	29.5
Michigan .....	68.5	14.0	63.5	11.2	68.4	11.9	61.9	9.9
Minnesota .....	93.2	21.3	98.3	41.9	95.9	41.2	98.1	30.3
Mississippi .....	97.4	27.4	95.7	28.8	95.6	31.1	95.3	31.3
Missouri .....	84.5	19.6	80.8	16.5	78.0	32.9	71.2	12.4
Montana .....	74.6	3.1	76.1	2.2	81.5	3.0	75.4	1.9
Nebraska .....	75.0	19.4	63.7	18.0	57.6	18.7	61.7	12.0
Nevada .....	88.0	60.0	73.9	33.3	88.9	68.2	85.4	48.4
New Hampshire .....	84.5	32.1	86.6	13.0	95.8	16.5	98.9	17.5
New Jersey .....	59.7	24.3	59.1	21.6	58.8	21.1	56.2	15.6
New Mexico .....	76.7	4.3	68.2	14.6	73.4	6.0	70.7	8.8
New York .....	100.0	8.9	45.7	10.8	53.6	9.7	50.0	15.5
North Carolina .....	92.7	29.9	94.0	30.5	91.7	30.7	90.4	27.3
North Dakota .....	93.3	14.4	90.1	9.8	93.2	17.9	90.8	13.4
Ohio .....	100.0	3.0	41.8	6.4	39.2	6.4	40.1	5.6
Oklahoma .....	NA	4.9	71.3	3.1	77.0	2.5	65.1	2.4
Oregon .....	83.7	18.5	99.3	21.5	99.1	21.5	100.0	20.6
Pennsylvania .....	100.0	7.2	63.0	9.9	61.6	8.4	59.4	7.3
Rhode Island .....	NA	53.4	58.0	27.3	52.4	13.6	49.4	29.3
South Carolina .....	98.4	85.7	97.5	82.1	96.8	84.4	96.4	82.4
South Dakota .....	NA	46.3	84.2	42.1	85.9	44.5	82.0	45.5
Tennessee .....	88.5	24.2	93.6	36.2	93.1	38.4	92.2	37.7
Texas .....	91.9	29.3	85.3	28.7	91.0	28.2	88.5	28.8
Utah .....	87.3	14.0	84.4	10.4	86.1	13.8	83.1	11.0
Vermont .....	100.0	79.3	100.0	75.4	100.0	79.0	100.0	76.0
Virginia .....	64.4	16.7	65.8	17.3	64.4	15.4	57.8	11.2
Washington .....	73.2	25.4	94.0	37.8	97.3	45.7	93.5	46.1
West Virginia .....	65.9	7.1	63.9	16.6	41.5	62.1	71.7	7.0
Wisconsin .....	78.4	23.2	77.3	19.2	84.2	22.8	76.7	19.7
Wyoming .....	83.0	1.8	86.5	2.5	96.2	1.8	65.7	2.2
<b>Total</b> .....	<b>79.1</b>	<b>17.4</b>	<b>65.8</b>	<b>19.3</b>	<b>67.9</b>	<b>19.4</b>	<b>64.8</b>	<b>18.7</b>

<sup>R</sup> Revised Data.

NA Not Available.

— Not Applicable.

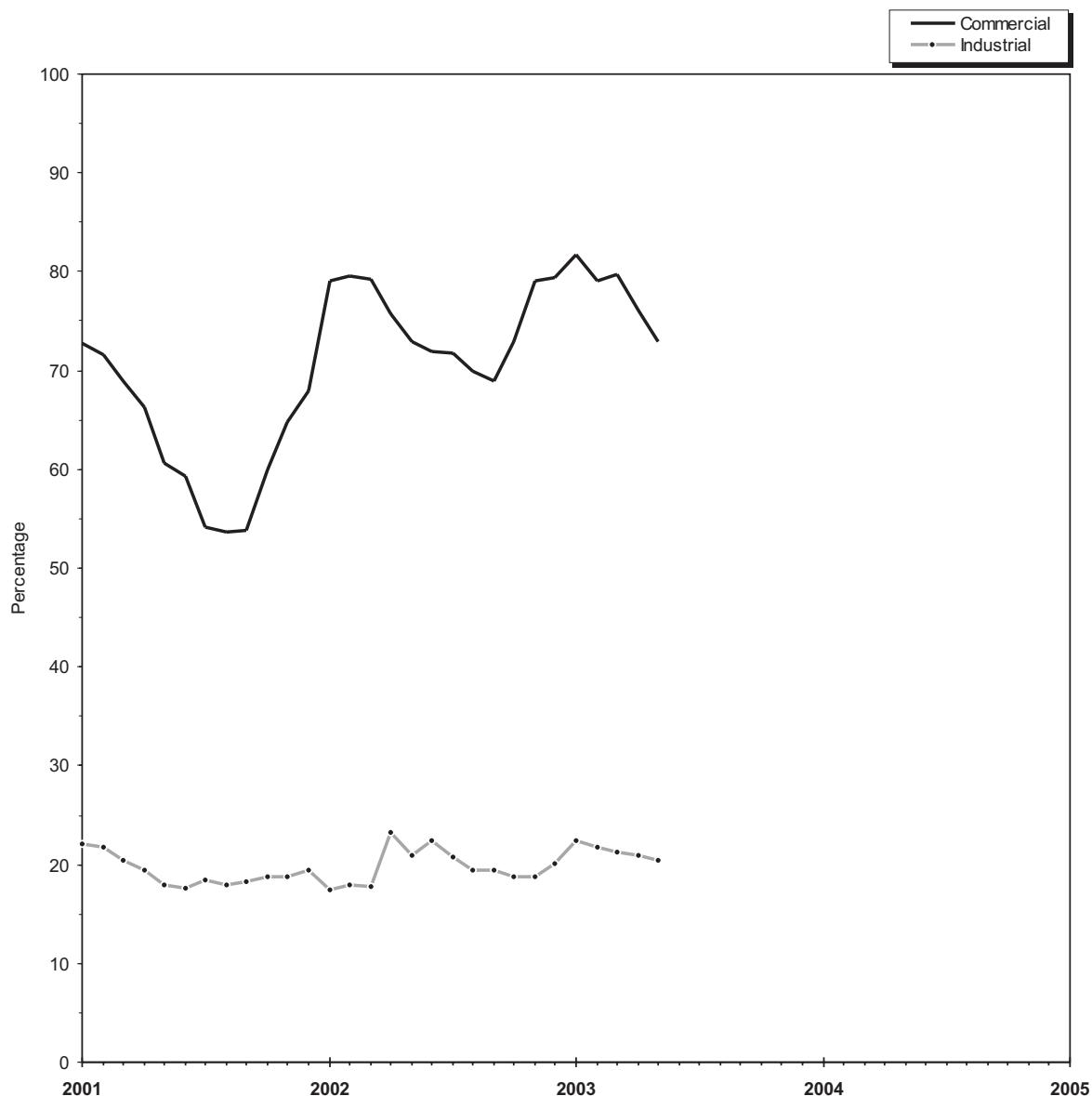
**Notes:** Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors. This information may be helpful in evaluating

commercial and industrial price data which are based on sales data only except in the States of Georgia, Maryland, New York, Ohio and Pennsylvania. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," and Form EIA-910, "Monthly Natural Gas Marketer Survey."

## Figure 6

**Figure 6. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, 2001-2003**



**Source:** Table 25.

# Appendix A

## Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in understanding the monthly data. Table A1 lists the methodologies for deriving the data to be published for the most recent months shown in Tables 1-3. The following explanatory notes describe sources for all NGM tables.

### **Note 1. Production**

#### *Annual Data*

Natural gas production data are collected from 32 gas-producing States on the voluntary Form EIA-895 "Monthly Quantity and Value of Natural Gas Report." The form requests data on gross withdrawals, gas vented and flared, repressuring, nonhydrocarbon

**Table A1. Methodology for Most Recent Monthly Natural Gas Supply and Disposition Data of Table 1-3**

<b>Components</b>	<b>Reporting Methodology</b>
<b>Supply and Disposition</b>	
Marketed Production	Derived from the Short-Term Energy Outlook
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from supply estimates and coal gasification information
Imports	Estimated from National Energy Board of Canada information and liquefied natural gas information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from industry trends and liquefied natural gas information
Current-Month Consumption	Reported on Form EIA-857, Form EIA-906, and other sources below.
<b>Consumption by Sector</b>	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Deliveries to Consumers
Residential	Estimated from sample data reported on Form EIA-857
Commercial	Estimated from sample data reported on Form EIA-857
Industrial	Estimated from sample data reported on Form EIA-857
Electric Power	Estimated from sample data reported on Form EIA-906
Vehicle Fuel	Derived from annual estimates provided by the Coal, Nuclear and Renewable Fuels Division of EIA

gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production from the federal waters of the Gulf of Mexico.

## **Monthly Data**

State marketed production data are derived from State data submissions, State and MMS websites reporting natural gas production, and EIA estimates. State marketed production data for a particular month are estimated if data are unavailable at the time of publication. For most States, the data are estimated based on final monthly data reported on the Form EIA-895 for the previous year. Monthly State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the annual EIA-895. These ratios are applied to the monthly estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Current monthly estimates for gross withdrawals are calculated from final monthly data filed on Form EIA-895 for the previous year, if necessary. The Reserves and Production Division of the Office of Oil and Gas, EIA, provides estimates of marketed production for the States of Texas, Louisiana, and Oklahoma.

All monthly data are considered preliminary until after publication of the *Natural Gas Annual (NGA)* for the year in which the report month falls. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated. Final monthly data are the sums of monthly data reported on the Form EIA-895 annual schedule.

## **Note 2. Nonhydrocarbon Gases Removed**

### *Annual Data*

Data on nonhydrocarbon gases removed from marketed production—carbon dioxide, helium, hydrogen sulfide, and nitrogen are reported by State agencies on Form EIA-895. Ten of the 32 producing States reported data on nonhydrocarbon gases removed during 2001. These 10 States accounted for 59 percent of total 2001 gross withdrawals. The State of Missouri has reported zero gross withdrawals since 1997.

### *Monthly Data*

All monthly data are considered preliminary until after publication of the NGA for the year in which the report month falls. Monthly State estimates of nonhydrocarbon gases removed are prepared by EIA

based on annual data reported on Form EIA-895, if necessary. Each State's annual percentage of nonhydrocarbon gases removed to gross withdrawals reported is applied to the States monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by allocating the final annual volume to the months in the same proportion as the preliminary monthly data.

## **Note 3. Extraction Loss**

### *Annual Data*

Extraction loss data are calculated from data reported on Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production". For a fuller discussion, see the NGA.

### *Monthly Data*

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Monthly data are revised after the publication of the NGA. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

## **Note 4. Supplemental Gaseous Fuels**

### *Annual Data*

Annual data on supplemental gas fuel supply are reported on Form EIA-176 "Annual Report of Natural and Supplemental Gas Supply and Disposition."

### *Monthly Data*

All monthly data are considered preliminary until after the publication of the NGA for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Monthly data are revised after publication of the NGA. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals

from storage. This revised ratio is applied to the revised monthly sum of these three supply elements to compute final monthly data.

## Note 5. Imports and Exports

### *Annual Data and Final Monthly Data*

Annual and final monthly data are supplied by the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports", which requires monthly data to be reported each quarter for the calendar year.

### *Monthly Data - Imports*

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the NGA.

### *Monthly Data - Exports*

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports", informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of the NGA.

## Note 6. Natural Gas Storage

Note that final monthly and annual storage levels, additions, and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage.

### *Annual Data*

Preliminary annual data on additions and withdrawals from underground storage facilities are the sum of the monthly data from the EIA-191. Final annual data are adjusted to data in the EIA-176.

Annual data on LNG additions and withdrawals are from the EIA-176.

### *Monthly Data*

Preliminary and final monthly data on underground storage levels, additions, and withdrawals are from the EIA-191. All operators of underground storage fields complete the survey.

Estimates of monthly LNG additions and withdrawals are calculated by applying the proportion of each month's net injections to underground storage during the injection season to annual LNG additions and the proportion of each month's net withdrawals from underground stor-

age during the withdrawal season to annual LNG withdrawals.

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

## Note 7. Consumption

### *Annual Data*

All annual data are from the NGA. Total consumption is the sum of the components of consumption listed below. Monthly data are revised after publication of the NGA.

### *Monthly Data*

All monthly data are considered preliminary until after publication of the NGA.

### *Residential, Commercial, and Industrial Sector Consumption*

Preliminary estimates of monthly deliveries of natural gas to residential, commercial, and industrial consumers in 50 States are based on data reported on Form EIA-857 "Monthly Report of Natural Gas Purchases and Deliveries." See Appendix C, "Statistical Considerations," for a detailed explanation of sample selection and estimation procedures. Monthly data for a given year are revised after the publication of the NGA to correct for any sampling error. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

## Vehicle Fuel Use

Monthly estimates of natural gas (compressed or liquefied) used as vehicle fuel are derived from an annual estimate of vehicle fuel use provided by the Coal, Nuclear, and Renewable Fuels Division of EIA.

## Electric Power Sector Consumption

Monthly estimates of deliveries of natural gas to electric power producers are derived from data submitted by the sample of electric power producers reporting monthly on Form EIA-906, "Power Plant Report." The estimates reported in the NGM represent gas delivered to electricity-only plants (utility and nonutility power producers) and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. For a discussion of these estimates, see the Electric Power Monthly.

## Pipeline Fuel Consumption

Preliminary monthly estimates are based on the pipeline fuel consumption as an annual percentage of total consumption from the previous years Form EIA-176. This percentage is applied to each months total consumption figure to compute the monthly estimate.

Monthly data are revised after the publication of the NGA. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each months revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

## Lease and Plant Fuel Consumption

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each months marketed production figure to compute estimated lease and plant fuel consumption.

Monthly data are revised after publication of the NGA. Final monthly plant fuel data are based on a revised annual ratio of plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each months revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-895 and estimates from the Form EIA-176. See the NGA for a complete discussion of this process.

## Note 8. Balancing Item

The balancing item category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to data reporting problems or to issues in survey coverage. Preliminary monthly data in the balancing item category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total disposition. The balancing item may reflect problems in any of the surveys comprising natural gas supply or disposition.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents. Survey coverage problems include incomplete survey frames or problems in sampling design.

Annual data are from the NGA. For an explanation of the methodology used in calculating the annual balancing item, see the NGA.

## Note 9. Average Price of Deliveries to Consumers

For most States, price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers by local distribution companies. In the States of Georgia, Maryland, New York, Ohio, and Pennsylvania, the residential and commercial sector prices reported in the NGM include data on prices of gas sold to customers in those sectors by energy marketers. These latter data are collected on Form EIA-910, "Monthly Natural Gas Marketer Survey." Except for these States, none of the prices reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices. Table 25 indicates the percentage of total deliveries included in commercial and industrial price estimates.

Prices of natural gas delivered to electric utilities are derived from data reported on Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants" as reported in the *Electric Power Monthly*. Data on the price of natural gas delivered to other electric power producers are not available.

## Note 10. Average Wellhead Price

### *Annual Data*

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available aggregate value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States that were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed average value of marketed production in each State is calculated by dividing the States reported aggregate value by its associated production. This unit price is then applied to the quantity of the States marketed production to derive the imputed aggregate value of marketed production.

### *Monthly Data*

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures final settlement price for near-month delivery at the Henry Hub, and reported cash market prices at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is publicly available and is reported in numerous trade publications, including NGI's Daily Gas Price Index (published by Intelligence Press, Inc.). The cash market prices are published in another trade publication, Natural Gas Week (Energy Intelligence Group, Inc.), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include process-

ing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through 2000. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final monthly data are provided through the Form EIA-895, which requests State agencies to report monthly values of marketed production. Details of the monthly collection match those described in the preceding section on annual data. Preliminary monthly gas price data are replaced by these final monthly data.

## Note 11. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day databases maintained by the National Oceanic and Atmospheric Administration. The information published in the *NGM*, is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the Country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

# Appendix B

## Data Sources

The data in this publication are taken from survey reports collected by the Energy Information Administration (EIA), the Federal Energy Regulatory Commission (FERC), and the Office of Fossil Energy of the U.S. Department of Energy (DOE). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE that has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The Office of Fossil Energy has the authority under Section 3 of the Natural Gas Act of 1938 to grant authorizations for the import and export of natural gas.

Data are collected from annual, quarterly, and monthly surveys. The primary annual report is the Form EIA-176 "Annual Report of Natural and Supplemental Gas Supply and Disposition," a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines. The Office of Fossil Energy provides quarterly files of monthly data on imports and exports. The monthly reports include surveys of the natural gas industry, surveys of the electric power industry, and a voluntary survey completed by energy or conservation agencies in the gas-producing States. The monthly natural gas industry surveys are the Form EIA-191 filed by companies that operate underground storage facilities, the voluntary Form EIA-895 filed by the gas-producing States and the U.S. Minerals Management Service, the Form EIA-857, filed by a sample of companies that deliver natural gas to consumers, and the Form EIA-910, filed by natural gas marketers in select States. The electric power industry surveys are the Form EIA-906 filed by a sample of electric power generators and the Form FERC-423 filed (for price data) by fossil-fueled electric utilities. Responses to the monthly surveys are mandatory, except for Form EIA-895. A description of the survey respondents, reporting requirements, and processing of the data is given on the following pages for each of the surveys. Copies of the forms and instructions are available on the EIA website.

### **Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"**

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies; investor and municipally owned natural gas distributors; underground natural gas storage operators; synthetic natural gas plant operators; and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities); and/or companies that transport gas across a State border through field or gathering facilities. Each company is required to file if it meets the survey specifications. The mailing in 2002 for report year 2001 totaled approximately 2000 questionnaire packages. While final nonresponse rates vary, the rates have averaged about 1 percent in recent years.

The EIA-176 is a multi-line, multi-page schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by March 1st. Extensions of the filing deadline for up to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Data from Form EIA-176 are also published in the Natural Gas Annual. Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

### Form EIA-895, "Monthly and Annual Quantity and Value of Natural Gas Report"

Data collection on the Form EIA-895, "Monthly and Annual Quantity and Value of Natural Gas Report," began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) voluntary form, "Monthly Report of Natural Gas Production." All gas-producing States and the U.S. Minerals Management Service are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace a prior annual production form. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Form EIA-895 is mailed to energy or conservation agencies in all 32 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. Reports on company production are due 20 days after the end of the report month to the States. (In most cases, the data are not available to the States until after this time period.) Therefore, States are requested to send the report within 80 days after the end of the report month. Monthly data are obtained from about half of the reporting States and MMS on this schedule. EIA prepares estimates for the remaining States based on annual data submissions from the States until monthly State data are provided. The annual schedule of the Form EIA-895 is due with the December data report. Of the 32 natural gas producing states, all participated in the annual EIA-895 survey by filing the completed form or by responding to telephone calls.

The Form EIA-895 is a three-page form collecting monthly and annual data on elements of the production of natural gas beginning with gross withdrawals from gas and oil wells. Starting in 2003, the Form EIA-895 also collects information about production of coalbed methane. The commercial recovery of methane from coalbeds contributes a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (113,527), Colorado (386,349), New Mexico (532,081), and Wyoming (253,305) for 2001.

Data are also collected on volumes returned to formation for repressuring, pressure maintenance, and

cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production as well as the monthly volume and value of marketed production. The annual schedule collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Respondents are asked to report all volumes in thousand cubic feet at the States standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Data on the quantities of nonhydrocarbon gases removed from marketed production in 2001, including carbon dioxide, helium, hydrogen sulfide and nitrogen, were reported by the appropriate agencies of 10 of the 32 producing States. These 10 States accounted for 59 percent of total 2001 gross withdrawals. The State of Missouri has reported zero gross withdrawals since 1997.

State marketed production data are derived from State data submissions, State and MMS websites reporting natural gas production, and EIA estimates. State marketed production data for a particular month are estimated if data are unavailable at the time of publication. For most States, the data are estimated based on final monthly data reported on the Form EIA-895 for the previous year. Monthly State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the annual EIA-895. These ratios are applied to the months estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Current monthly estimates for gross withdrawals are calculated from final monthly data filed on Form EIA-895 for the previous year, if necessary. The Reserves and Production Division of the Office of Oil and Gas, EIA, provides estimates of marketed production for the States of Texas, Louisiana, and Oklahoma.

Data from Form EIA-895 are also published in the EIA *Natural Gas Annual*.

## **Form EIA-191, "Underground Natural Gas Storage Report"**

The Form EIA-191, "Monthly Underground Natural Gas Storage Report," is completed by approximately 122 companies that operate underground facilities. The final monthly and annual response rates are 100 percent. The EIA-191 monthly schedule contains current month data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule for the prior year is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the last day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are submitted on separate forms for each month. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

The EIA publications, *Monthly Energy Review* and Winter Fuels Report, contain data from the EIA-191 survey.

## **"Quarterly Natural Gas Import and Export Sales and Price Report"**

Beginning in 1995, import and export data have been taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas. The Office of Fossil Energy provides authorizations for import or export to applicants under Section 3 of the Natural Gas Act of 1938.

All companies are required, as a condition of their authorizations to file quarterly reports with the Office of Fossil Energy. The data are reported at a monthly level of detail.

## **Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"**

Monthly price and volume data on gas deliveries are collected on the Form EIA-857 from a sample of respondents representing the 50 States and the District of Columbia. Response to Form EIA-857 is mandatory and data are considered proprietary. Completed forms are required to be submitted to EIA on or before the 30th day after the end of the report month.

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 monthly. Each month about half the responses are received by the due date although response rates by first publication of the relevant month are approximately 87 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions. Final response rates are approximately 95 percent.

Form EIA-857 data are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries of natural gas to electric power generators are reported on the Form EIA-906 "Power Plant Report," and monthly prices for electric utilities are obtained from FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants.") See Appendix C for a discussion of the sample design and estimation procedures. Data from Form EIA-857 are also used to calculate the city gate price and the average heat content of all gas consumed.

### Form EIA-910, "Monthly Natural Gas Marketer Survey"

The Form EIA-910, "Monthly Natural Gas Marketer Survey" collects information on natural gas sales from marketers in selected States (Georgia, Maryland, New York, Ohio and Pennsylvania) that have active customer choice programs. These States were selected based on the percentage of natural gas sold by marketers in the residential and commercial end-use sectors. The survey collects monthly price and volume data on natural gas sold by all marketers in the selected States. A natural gas marketer is a company that competes with other companies to sell natural gas service, but relies on regulated local distribution companies to deliver the gas. The data collected on

the Form EIA-910 is integrated with residential and commercial price data from the Form EIA-857 for the States of Georgia, Maryland, New York, Ohio, and Pennsylvania. Response to the EIA-910 is mandatory and data are considered proprietary.

Approximately 150 natural gas marketers report to the survey. Final monthly survey response rates are approximately 98 percent. Responses are filed with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported as whole dollar.

# Appendix C

## Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." Monthly prices in select states (currently Georgia, Maryland, New York and Ohio) are supplemented with data from the Form EIA-910 "Monthly Natural Gas Marketer Survey". (See Appendix B for a description of these Forms.) Form EIA-857 is a sample survey. These estimations must be made from the reported data since the. A description of the sample design and the estimation procedures is given below.

### Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate pipeline companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to the electric power sector are reported on the Form EIA-906, "Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

**Sample Universe.** The sample currently in use was selected from a universe of 1,556 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 2001 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

**Sampling Plan.** The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State

to the three consuming sectors by the company in 2001. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 405 respondent companies.

**Certainty Stratum.** Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector  $j$  greater than the cut-off value ( $C_{.j}$ ) were included in the certainty stratum. The formula for  $C_{.j}$  was:

$$C_{.j} = \frac{X_{.j}}{2n} \quad (1)$$

where:

$C_{.j}$  = cutoff value for consumer sector j,

$n$  = target sample size to be selected for the State, 25 percent of the companies in the State,

$X_{ij}$  = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

$X_i$  = the sum within State of annual gas volumes for company i,

$X_j$  = the sum within State of annual gas volumes in consumer sector j,

$X..$  = the sum within State of annual gas volumes in all consumer sectors.

**Noncertainty Stratum.** All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors ( $X_i$ ). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X2}{X..} \quad (2)$$

where:

$m$  = the sample size for the noncertainty stratum within a State,

$X2$  = the sum within State of the  $X_i$  for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using:

A uniform random number R was selected between zero and  $\left( I = \frac{X2}{m} \right) I$ . The first sampled company was the first

company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than  $R + I$ .  $R + I$  was increased again by I to deter-

mine the third company to be selected. This procedure was repeated until the entire sample was drawn.

**Subgroups.** In four States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that  $X2$  was the sum within State of the  $X_i$  for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

Kansas, Louisiana, Texas: companies delivering gas only to industrial consumers and those delivering to any other sector.

South Carolina: companies delivering more than 3 Bcf to consumers and those below that level.

### Estimation Procedures

**Estimates of Volumes.** A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector — residential, commercial, and industrial — in each State where companies are sampled. The following annual data are taken from the most recent submissions of Form EIA-176:

The formula for calculating the ratio estimator ( $E_{vj}$ ) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{\gamma_{.j}}{\gamma'_{.j}} \quad (3)$$

where:

$\gamma_{.j}$  = the sum within State of annual gas volumes in consumer sector j for all companies,

$\gamma'_{.j}$  = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = \gamma_{.j} \times E_{vj} \quad (4)$$

# Appendix C

where:

$V_j$  = the State estimate of monthly gas volumes in consumer sector  $j$ ,

$y_j$  = the sum within State of reported monthly gas volumes in consumer sector  $j$ .

**Computation of Natural Gas Prices.** The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales by natural gas companies except as explained below.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V_j} \quad (5)$$

where:

$P_j$  = the average price for gas sales within the State in consumer sector  $j$ ,

$R_j$  = the reported revenue from natural gas sales within the State in consumer sector  $j$ ,

$V_j$  = the reported volume of natural gas sales within the State in consumer sector  $j$ .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas to residential and commercial consumers in Georgia, Maryland, New York, Ohio and Pennsylvania are monthly average prices of natural gas are based on total sales (sales by local distribution companies and natural gas marketers). Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices except in these states.

The price of natural gas in the residential and commercial sectors in Georgia, Maryland, New York, Ohio and Pennsylvania is calculated as follows:

$$P_c = \left[ \left( \frac{R_s}{V_s} \right) * \left( \frac{V_s}{V_s + V_t} \right) \right] + \left[ \left( \frac{Rm_s}{Vm_s} \right) * \left( \frac{V_t}{V_s + V_t} \right) \right] \quad (6)$$

$P_c$  = the combined average price for gas sales by local distribution companies and marketers within the State in sector  $s$  (residential or commercial)

$R_s$  = the reported revenue from natural gas sales by local distribution companies within the State in  $s$  (residential or commercial)

$V_s$  = the reported volume of natural gas sales by local distribution companies within the State in  $s$  (residential or commercial)

$V_t$  = the reported volume of natural gas transported by local distribution companies for marketers within the State in  $s$  (residential or commercial)

$Rm_s$  = the reported revenue from natural gas sales by marketers within the State in  $s$  (residential or commercial)

$Vm_s$  = the reported volume of natural gas sales by a marketer within the State in  $s$  (residential or commercial)

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. All natural gas prices to the residential sector represent onsystem sales volumes only except in Georgia, Maryland, New York, Ohio and Pennsylvania.

See the section on consumer price calculations in this Appendix for further price information.

**Estimation for Nonrespondents.** A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas volumes for nonrespondents was:

Where:

$$F_t = F_{t-1} \times \frac{y_{jt}}{y_{jt-1}} \quad (7)$$

$F_t$  = imputed gas volume for current month  $t$ ,

$F_{t-1}$  = gas volume for the company for the previous month,

$y_{jt}$  = gas volume reported by companies in the State stratum for report month  $t$ ,

$y_{jt-1}$  = gas volume in the previous month for companies in the State stratum that reported in month t.

## Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in *the Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* (NGM) to match them to the annual values appearing in *the Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the NGM, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm}^* = V_{jm} + \left[ (V_{ja} - V'_{jm}) \left( \frac{V_{jm}}{V'_{jm}} \right) \right] \quad (8)$$

where:

$V_{jm}^*$  = the final volume estimate for month m in consumer sector j,

$V_{jm}$  = the estimated volume for month m in consumer sector j,

$V_{ja}$  = the volume for the year reported on Form EIA-176,

$V'_{jm}$  = The annual sum of estimated monthly volumes

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm}^* = R_{jm} + \left[ (R_{ja} - R'_{jm}) \left( \frac{R_{jm}}{R'_{jm}} \right) \right] \quad (9)$$

where:

$R_{jm}^*$  = the final revenue estimate for month m in consumer sector j,

$R_{jm}$  = the estimated revenue for month m in consumer sector j,

$R_{ja}$  = the revenue for the year reported on Form EIA-176,

$R'_{jm}$  = The annual sum of estimated monthly revenues.

Revision of Volumes and Prices for Deliveries to Electric Power Sector. Revisions to monthly deliveries to the electric power sector are published throughout the year as they become available.

## Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

**Standard Errors.** A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^H \left[ N_h^2 \frac{\left(1 - \frac{n_h}{N_h}\right)}{n_h(n_h-1)} \left( \sum_{i=1}^{n_h} (y_{hi} - \bar{Y}_h)^2 \right) \right] \quad (10)$$

where:

$H$  = the total number of strata

$N_h$  = the total number of companies in stratum h

$n_h$  = the sample size in stratum h

$y_i$  = the reported monthly volume for company I

$x_i$  = the reported annual volume for company i

$T$  = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

**Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, May 2003**

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama .....	203	70	1,618	1,632	0.45	0.44	0.39
Alaska .....	0	0	0	0	—	—	—
Arizona .....	45	16	0	48	0.35	0.17	—
Arkansas .....	1	3	7	7	0.01	—	0.01
California .....	320	57	242	405	0.08	0.07	0.02
Colorado .....	0	0	0	0	—	—	—
Connecticut .....	0	0	0	0	—	—	—
Delaware .....	0	0	0	0	—	—	—
District of Columbia .....	0	0	0	0	—	—	—
Florida .....	147	263	1,217	1,254	NA	0.82	0.89
Georgia .....	1,382	490	6,635	6,795	NA	NA	NA
Hawaii .....	0	0	0	0	—	—	—
Idaho .....	0	0	0	0	—	—	—
Illinois .....	249	98	481	550	0.45	0.66	0.74
Indiana .....	447	282	11	528	0.93	0.85	0.90
Iowa .....	61	9	19	65	0.14	0.02	0.05
Kansas .....	104	68	109	165	0.28	0.35	0.21
Kentucky .....	0	0	0	0	—	—	—
Louisiana .....	0	0	0	0	—	—	—
Maine .....	0	0	0	0	—	—	—
Maryland .....	17	9	50	53	0.04	0.37	NA
Massachusetts .....	0	0	0	0	—	—	—
Michigan .....	0	0	0	0	—	—	—
Minnesota .....	346	68	356	501	0.04	0.03	0.14
Mississippi .....	0	0	0	0	—	—	—
Missouri .....	27	53	138	150	0.22	0.21	0.60
Montana .....	0	0	0	0	—	—	—
Nebraska .....	0	0	0	0	—	—	—
Nevada .....	0	0	0	0	—	—	—
New Hampshire .....	0	0	0	0	—	—	—
New Jersey .....	0	0	0	0	—	—	—
New Mexico .....	205	154	533	591	0.66	0.24	—
New York .....	2,037	584	1,331	2,502	0.16	0.16	0.20
North Carolina .....	0	0	0	0	—	—	—
North Dakota .....	0	0	0	0	—	—	—
Ohio .....	38	1,418	8,152	8,274	0.31	NA	NA
Oklahoma .....	62	65	430	439	0.16	0.56	NA
Oregon .....	0	0	0	0	—	—	—
Pennsylvania .....	415	80	538	684	0.08	0.01	NA
South Carolina .....	46	34	258	265	0.41	0.07	0.11
South Dakota .....	0	0	0	0	—	—	—
Tennessee .....	378	934	1,508	1,814	NA	NA	NA
Texas .....	0	1,570	26,734	26,780	—	0.02	0.21
Utah .....	0	0	0	0	—	—	—
Vermont .....	0	0	0	0	—	—	—
Virginia .....	62	371	402	551	0.12	0.10	0.24
Washington .....	0	0	0	0	—	—	—
West Virginia .....	NA	NA	NA	NA	NA	NA	NA
Wisconsin .....	2,286	1,522	3,461	4,418	0.39	0.23	0.06
Wyoming .....	49	99	88	142	0.52	0.26	NA
<b>Total .....</b>	<b>3,496</b>	<b>2,934</b>	<b>29,099</b>	<b>29,455</b>	<b>0.16</b>	<b>0.18</b>	<b>1.17</b>

NA Not Available.  
— Not Applicable.

**Source:** Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

# Appendix D

## Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: Annual:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Javed Zaidi (202)586-8695
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Javed Zaidi (202)586-8695
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Donna Guerrina (202)586-6135
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form EIA-910, "Monthly Natural Gas Marketer Survey"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	William Trapmann (202)586-6408
Electric Utility	4	Monthly:	Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports"	Donna Guerrina (202)586-6135
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13, 14	Monthly:	Form EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Power, All Consumers	15 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form EIA-906, "Power Plant Report"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	20 21 22 23 24 25	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants" Form EIA-910, "Monthly Natural Gas Marketer Survey" Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790  Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-4885
Highlights				Sheila Darnell (202)586-6165

# Glossary

**Aquifer Storage Field:** A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

**Balancing Item:** Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to data reporting or survey coverage problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents. Survey problems include incomplete survey frames, problems in sampling design, or response problems.

**Base (Cushion) Gas:** The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

**British Thermal Unit (Btu):** The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

**City-gate:** A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

**Commercial Consumption:** Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

**Depleted Storage Field:** A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

**Dry Natural Gas Production:** Marketed production less extraction loss.

**Electric Power Sector:** An energy-consuming sector that consists of electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public – i.e., North American Industry Classification System 22 plants. Combined heat and power plants that identify themselves as primarily in the commercial or industrial sectors are reported in those sectors.

**Electric Power Consumption:** Gas used as fuel in the electric power sector.

**Electric Utility:** A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. Note: Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, “electric utility” currently has inconsistent interpretations from State to State.

**Exports:** Natural gas deliveries out of the continental United States and Alaska to foreign countries.

**Extraction Loss:** The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

**Flared:** The volume of gas burned in flares on the base site or at gas processing plants.

**Gas Condensate Well:** A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as “condensate.”

**Gas Well:** A well completed for the production of natural gas from one or more gas zones or reservoirs

**Gross Withdrawals:** Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

**Heating Value:** The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

**Imports:** Natural gas received in the Continental United States (including Alaska) from a foreign country.

**Industrial Consumption:** Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, fisheries and construction. .

**Intransit Deliveries:** Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

**Intransit Receipts:** Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

**Lease and Plant Fuel:** Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

**Liquefied Natural Gas (LNG):** Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

**Marketed Production:** Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

**Native Gas:** Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

**Natural Gas:** A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

**Nonhydrocarbon Gases:** Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

**Oil Well (Casinghead) Gas:** Associated and dissolved gas produced along with crude oil from oil completions.

**Onsystem Sales:** Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

**Pipeline Fuel:** Gas consumed in the operation of pipelines, primarily in compressors.

**Repressuring:** The injection of gas into oil or gas formations to effect greater ultimate recovery.

**Residential Consumption:** Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

**Salt Cavern Storage Field:** A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

**Storage Additions:** The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

**Storage Withdrawals:** Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

**Supplemental Gaseous Fuels Supplies:** Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

**Synthetic Natural Gas (SNG):** A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

**Underground Gas Storage Reservoir Capacity:** Interstate company reservoir capacities are those certified by FERC. Independent producer and

intrastate company reservoir capacities are reported as developed capacity.

**Vehicle Fuel Consumption:** Natural gas (compressed or liquefied) used as vehicle fuel.

**Vented Gas:** Gas released into the air on the base site or at processing plants.

**Wellhead Price:** Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

**Working (Top Storage) Gas:** The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.